

(69)

EIC 3600 COMMERCIAL DATABASE SEARCH REQUEST

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Business Methods Case: 705/ 15, Cross 705/7,8,1622,24,21 Log Number: _____
Write in 705 subclass(es) to search required files for 705 cases or cases cross referenced in 705.

Requester's Full Name: Andrew Fischer Examiner #: 75586 Date: September 23, 2004
Art Unit: 3627 Phone Number: 305-0292 Serial Number: 09/587,201
Bldg & Room #: PK5 7B-09 Results Format Preferred: PAPER ☒ DISK ☐ E-MAIL ☐

If more than one search is submitted, please prioritize searches in order of need.

Provide the PALM Bib page or the following:

(Total Pages including this sheet: 9)

Title of Invention: _____ Bib Data Sheet Attached _____

Inventors (provide full names) : _____

Earliest Priority Filing Date: 6/5/2000

Requested attachments:

- If possible, provide the cover sheet, the IDS, examples, or relevant citations, authors, etc, if known.
- Please attach copies of the parts of this case that help explain or are most pertinent to this search. Examples are:
abstract, background, summary, claim(s) [not all of the claims].

Abstract, Background & Summary of the Invention, and claim 63 included.

The claimed or apparent novelty of the invention is:

A bag for storing groceries at a customer's home.

This search should focus on:

(Also include keywords or synonyms)

-Putting groceries in an expandable bag attached to a box upon delivery. The bag has 2 openings. The customer opens a second opening to access the groceries.

If you have any questions or need help with keywords, please feel free to contact me.

.....
Special Instructions or Other Comments

COMPLETE INTERNET & PRIOR ART SEARCH REQUESTED

Search Report from Ginger R. DeMille

? show files;ds

File 348:EUROPEAN PATENTS 1978-2004/Sep W02

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040923,UT=20040916

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Set	Items	Description
S1	32960	(TWO OR 2 OR SECOND OR PLURALITY) (1W) (AUTOMOBILE? ? OR VEHICLE? ? OR TRUCK? ? OR VANS OR DRIVER? ? OR CARRIER? ? OR HAULER? ? OR CAR OR CARS OR AUTO OR AUTOS)
S2	1702	TOTE OR SACHEL OR CANVAS() BAG
S3	64102	BAG OR BAGS
S4	3541	(EXPANDABLE? OR STRETCH? OR EXTEND? OR EXTENSIBLE?) (3N) (BAG OR BAGS OR POUCH)
S5	415454	BOX OR CONTAINER OR HOLDER
S6	143424	LOCK OR PAD() LOCK OR BOLT
S7	34815	(DUAL OR DOUBLE OR TWO OR 2 OR SECOND) () (ENTRY OR ENTRIES - OR SIDED OR OPENING? ?)
S8	33417	S1 OR CONVOY? ?
S9	33637	(DUAL OR DOUBLE OR TWO OR 2 OR SECOND) () (ENTRY OR ENTIERES - OR SIDED OR OPENING? ?)
S10	1200	(S2:S4) (5N) DELIVER?
S11	2	S1 AND S2 AND S4 AND S5 AND S6
S12	9	S1 AND S2 AND (S3 OR S4) AND S5
S13	50	S1 AND (S2:S4) AND S5 AND S7
S14	140	S8 AND (S2:S4) AND S5 AND S6
S15	6	S8(2S) (S2:S4) (2S) S5(2S) S6
S16	163	S8(2S) (S2:S4) (2S) S5
S17	34815	(DUAL OR DOUBLE OR TWO OR 2 OR SECOND) () (ENTRY OR ENTRIES - OR SIDED OR OPENING? ?)
S18	7	S2(2S) (S2:S4) (2S) S1
S19	11	S1(2S) S17(2S) (S2:S4)
S20	1009	(S2:S4) (2S) S5(2S) S6
S21	6	S1(2S) S20
S22	66	S11:S13 OR S15 OR S18:S19 OR S21
S23	32	S22 NOT PY>2000
S24	66	S11:S12 OR S15 OR S18:S19 OR S21 OR S22
S25	1	S24 AND IC=G06F
S26	3	S24 AND DELIVERY/TI
S27	2	S26 NOT S25
S28	32	S24 AND (GROCERIES OR FOOD)
S29	2	S24 AND (GROCERIES OR FOOD)/TI
S30	2	S29 NOT S26
S31	1	S24 AND IC=A47G
S32	2	S24 AND IC=A47?
S33	1	S32 NOT S30
?		

Considered 9/24/04 QZ

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? t25/3,k/all

25/3,K/1 (Item 1 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00755446 **Image available**

ELECTRONIC COMMERCE ENABLED DELIVERY SYSTEM AND METHOD

SYSTEME ET PROCEDE DE LIVRAISON ACTIVE PAR COMMERCE ELECTRONIQUE

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Application: WO 2000US12905 20000510 (PCT/WO US0012905)
Priority Application: US 99133646 19990511

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
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(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
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Publication Language: English

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Fulltext Word Count: 21321

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... measure is by "each" or by stock keeping unit (SKU), e.g. per 16 oz bag of Brand X potato chips or per pint of strawberries. Another unit of measure ...and totes move through the conveyors. For example, if five SKUs of a 15 oz bag of potato chip are scanned into a tray, and that tray enters the system weighing less than five times the product weight of the five bags together with the tray, an exception can be noted

? t30/3,k/all

30/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01365038

Method of delivering groceries purchased over the internet
Verfahren zum Übergeben von über Internet gekauften Lebensmittel
Procede pour la livraison des articles d'epicerie achetes par l'internet
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PATENT (CC, No, Kind, Date): EP 1161909 A2 011212 (Basic)

EP 1161909 A3 030917

APPLICATION (CC, No, Date): EP 2001401450 010605;

PRIORITY (CC, No, Date): US 587201 000605; US 688482 001016

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: A47G-029/14

ABSTRACT WORD COUNT: 298

NOTE:

Figure number on first page: 6

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200150	1229
SPEC A	(English)	200150	6363
Total word count - document A			7592
Total word count - document B			0
Total word count - documents A + B			7592

Method of delivering groceries purchased over the internet

...ABSTRACT The grocery order is filled at the warehouse, where the groceries are placed in a **tote** for delivery. If perishable groceries are to be delivered, a frozen insert is placed in the **tote** to maintain the groceries at a desired temperature. The filled **tote** is placed on a rack, which is removable with the **tote** on it. The racks have shelves that are pitched such that when a first **tote** is removed a second **tote** behind the first **tote** falls into the space previously occupied by the first **tote** . In the early evening, after the cutoff time for placing orders, the rack and totes...

...transfer point where the rack and the accompanying bill of lading are transferred to a **second** smaller **vehicle** , such as a van. The van delivers the totes to customers along a pre-established...

...usually a customer's home) by early the next morning, the van driver removes the **tote** for that customer from the van and secures it in a locked **expandable bag** , such as a mesh net or insulated **bag** , that

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may be locked in two places and that is itself secured to a grocery **box** . The grocery **box** , which is supplied to the customer by the business selling the groceries, is secured outside the delivery destination. The customer removes the **tote** from the **bag** , removes the groceries from the **tote** , and returns the used **tote** to the **bag** for later pickup by the van.

...SPECIFICATION of the delivery destination specified by the customer. The clerk places the groceries in a **tote** , which may be partitioned into at least two sections. To serve a larger area with...

...established. Means for maintaining the groceries at a desired chilled temperature are introduced into the **tote** when perishable groceries are to be delivered. These means may be, but are not limited to, a frozen insert placed into the **tote** before the **tote** is sealed or a chilled gas pumped into a portion of the **tote** .

After being sealed and filled with chilled gas (if necessary) the **tote** is placed on a rack that is mounted by a bracket or similar means onto a rack **holder** . The rack **holder** may have rollers on the bottom to enable the rack **holder** to be rolled with the racks thereon from place to place. The rack is removable from the rack **holder** with the **tote** on it and has shelves that are pitched or biased such that when a first **tote** is removed a second **tote** behind the first **tote** falls into the space of the first **tote** . There will generally be multiple racks of totes for delivery each day.

After the rack...

...order and the delivery destination. At the transfer point, the rack is transferred to a **second** smaller **vehicle** , such as a van. The transfer occurs usually in the late evening or early the...

...usually a customer's home, by early the next morning, the van driver removes the **tote** from the van for that customer and places it in a specially designed **expandable bag** , supplied to the customer along with a sturdy, relatively small **box** in which the **bag** is stored when the **bag** is not in use. The **box** is permanently affixed to a post, such as to the ground or a door. Given its use in a method of delivering groceries, the **box** is referred to herein, for convenience, as a grocery **box** , although no groceries are necessarily placed within the **box** . The **bag** may be a mesh net or insulated **bag** secured by a cable or a chain to the **box** . An opening in the **bag** through which the **tote** is inserted is generally kept locked. Access to the **bag** may be available through two separate locks to permit separate access for the van driver and the customer.

To place the **tote** in the **bag** , the van driver removes the locked **bag** from the grocery **box** , opens a first of the two locks to gain access to the inside of the **bag** , inserts the **tote** in the **bag** , locks the first **lock** , and leaves the **bag** containing the **tote** on the ground near the grocery **box** while the **bag** remains secured to the grocery **box** . Multiple totes may also be simultaneously delivered and secured outside a delivery destination by placing the totes in a large size **bag** . The totes remain locked in the **bag** until the customer opens the second **lock** , removes the **tote** , closes the second **lock** and places the locked **bag** back into the grocery **box** . The customer thereafter removes the groceries from the **tote** and returns the used **tote** to the **bag** outside the grocery **box** before the next expected

delivery to that customer, at which time the delivery driver will pick up the emptied **tote** . The emptied totes are nestable within one another, allowing more than one emptied **tote** to be placed in the **bag** for return to the grocer. Rather than placing the **bag** with the **tote** outside the grocery **box** , a grocer may supply the customer with a grocery **box** large enough to place the **bag** along with the enclosed **tote** inside the grocery **box** .

The **tote** may be provided with a mechanism for securing the **tote** without the need for placing it in a **bag** at the delivery destination. In this alternative, the **tote** comprises a main structure, a cover, and a pair of eyelets, including a first eyelet...

...a section of which is looped through the first and second eyelets to secure the **tote** to the mounting means. The mounting means may comprise a storage **container** , such as a **box** in which the securing means may be stored when not used to secure a **tote** .

The multi-section securing means may comprise three sections, each having first and second ends. In this instance, when no **tote** is connected to the securing means, the securing means is secured to the mounting means...

...of the second section to the second end of the first section with a first **lock** , and locking the second end of the second section to the second end of the third section with a second **lock** . When the securing means is not in use, it may be stored in the storage **container** .

To deliver the **tote** having eyelets, the securing means is removed from the grocery **box** while remaining attached to the grocery **box** , the first **lock** is opened by the van driver/delivery person to separate the first and second sections...

...loop which is tightened to securely seal the cover to the main structure of the **tote** at a first position. The first and second sections are locked together with the first **lock** in a manner that tightly maintains the loop. A customer removes the second **lock** to disconnect the second and third sections and removes the loop formed with the second section from the first and second eyelets to disconnect and retrieve the **tote** . The customer may then **lock** together the second and third sections with the second **lock** , and store the securing means back in the grocery **box** when not in use. The customer wishing to leave the **tote** for pickup by the van driver at the delivery destination can secure the **tote** by looping the securing means through the first and second eyelets of the **tote** . A two-section securing means with a single **lock** , openable with two distinct mechanisms, such as two different keys, one for the van driver...

...on the exterior of the main structure, may be located on the exterior of the **tote** , such as on a second side opposite the first side. A second securing means, which...

...loop which is tightened to securely seal the cover to the main structure of the **tote** at a second position on the **tote** . In lieu of or in addition to the third and fourth eyelets, a hinge connecting the cover and main structure of the **tote** may be located on any side of the **tote** .

Multiple totes having eyelets may be secured by placing the totes adjacent to or stacked as well, if any, through the eyelets without requiring a **bag** to secure the **tote** .

Other objects and features of the present invention will become

apparent from the following detailed...

...of transporting the groceries between these locations;

FIG. 3 is an isometric view of a **tote** used for transporting the groceries;

FIG. 4 is an isometric view of a portion of a rack **holder** having pitched shelves on which the totes of groceries are placed;

FIG. 5A is a perspective view of a grocery **box** of the present invention as mounted on a well;

FIG. 5B is a cross-sectional view of the grocery **box** mounted to the wall along line 5B-5B of FIG. 5A and showing an **expandable** mesh net **bag** in its collapsed state that is stored within the grocery **box** when not in use;

FIG. 6 is an isometric view of the **expandable** **bag** in its fully expanded state with a two-way zipper used as a means for securing the **tote** within the grocery **box** ;

FIG. 7 is a top view of the **bag** of FIG. 6;

FIG. 8A is a top view of an alternative **bag** used as a means for securing the **tote** within the grocery **box** ;

FIG. 8B is a side view of the **bag** of FIG. 8A with a side of the **bag** unlocked;

FIG. 8C is a side view of the **bag** of FIG. 8A with a side of the **bag** locked;

FIG. 9 is a perspective view of multiple totes secured to a grocery **box** with two multi-section chains; and

FIG. 10 is a perspective view of a **tote** secured to a grocery **box** on one side with a single multi-section chain and on its opposite side with...

...the warehouse and load the groceries ordered by a particular customer into an appropriately-sized **tote** 200 (FIG. 3) or in a portion of **tote** 200.

Totes 200, which may come in different sizes (one possible size is 12"H ...

...designed to hold dry goods, refrigerated, and frozen products within a cavity 213 in the **tote** , and have a cover 205 to seal the cavity 213 of **tote** 200. The cavity 213 of **tote** 200 may be partitioned into multiple sections 217 with an insulated material 218 held within of cavity 213. For example, where a **tote** is 12"H x 12"W x 24"L, grooves 219 may be cut every 2 inches along the width of **tote** 200 at points between 4" to 16" from a first side 200a of the **tote** . The partition may also extend into the bottom 200b and cover 205 of **tote** 200 so that a section of the **tote** 200 can be pressurized with a chilled gas, like carbon dioxide or nitrogen, as described...

...202 entitled Process for Preparing Ice Substitutes may be inserted as a lining in the **tote** 200. The **tote** can then be sealed with cover 205. Another means of freezing or refrigerating the groceries within totes 200 is by first sealing **tote** 200 and then introducing a chilled gas, such as chilled nitrogen or carbon dioxide via a pressure relief valve 215 on the **tote** 200. The chilled gas may be introduced into the entire **tote** 200 or only a section 217 of the **tote** 200. The pressure relief valve 215 has a mechanism (not shown) for opening the valve before **tote** 200 is opened.

Where a frozen insert 210 is used, different combinations of cells having...

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...combination with any insulation provided by the shell of or lining on the interior of **tote** 200. It is desirable to provide sufficient refrigeration and insulation to maintain the desired temperature...

...16 hours in an 80(degree)F atmosphere. If the groceries do not completely fill **tote** 200, packaging materials, such as Styrofoam or bladders, may be used to fill any voids in **tote** 200. The size of the **tote** 200 used to fill an order and the amount of fill need to fill a void in a **tote** 200 may be readily determined in any known manner at the time the order is entered on the Internet.

After an order is processed, the filled **tote** 200 is loaded onto racks 230 which are mounted on rack holders 235 in the...

...racks are slightly pitched downward over an angle (theta) so that after removal of a **tote** 200 from the front of rack 230, the next **tote** 200 behind the removed **tote** would fall into the space previously occupied by the first **tote** by gravity and/or the agitation of the truck's normal movement and/or by...

...When a pitch is used, the pitch should not be so large so that the **tote** behind the removed **tote** falls into place immediately.

After loading, the trailers 160 are dispatched (step 50), which in holders 235 have rollers and are transferred with racks 230, a rack holder 235 may be rolled easily from trailer 160 to van 180. As each van 180...

...of the order that the totes 200 are to be delivered so that the first **tote** 200 to be delivered is accessible to the van driver first, the second **tote** is accessible second, etc. The trailers 160 may also be loaded at warehouse 150 to...

...on a route sheet. Upon reaching a customer's home, the van driver removes the **tote** 200 from his van and brings it near a secure storage container, like a grocery box 260 which may be made of stainless steel and is bolted or chained to some...

...to a post, a door, a wall, or a floor. FIG. 5A shows one such box 260 mounted to a wall 270 away from floor 271. An expandable, secure bag 280, like a thick nylon or metal mesh net, or an insulated bag 280 which may be pleated and have a Mylar exterior, is stored in the grocery box 260 that is conceptually similar to, but generally smaller than, a milk box (step 80) and large enough to hold the bag 280. When empty, bag 280 is collapsed and folded within grocery box 260. Bag 280 is secured to the grocery box 260 with a chain or cable 275 (FIGs 5B and 5C) The driver opens an optional lock 262 on box 260, removes bag 280 from the grocery box 260, unfolds and expands bag 280, and places the **tote** 200 for that customer in bag 280. The expandable bag 280, when expanded, has first and second sides 281, 282. **Tote** 200 wrapped in bag 280 is placed on the ground adjacent to grocery box 260 while still attached to grocery box 260 with chain and cable 275 (FIG. 6). Bag 280 should be animal-proof and should be odor-proof so as not to attract animals. Alternatively, the **tote** 200 wrapped in bag 280 may be placed within grocery box 260 if grocery box 260 is large enough.

Bag 280 is cinched and locked (step 90) with a locking means to hold

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tote 200 securely in **bag** 280. One contemplated locking means is a respective two-way zipper 283 having two sliding...

...is moved to its fully closed position at side 281 and through hook 286 to **lock** zipper 283 on this first end. This padlock 288 may be opened by the van driver to open the mesh, insert the **tote** 200 therein, and then relock the mesh 280. A second padlock 289 may be looped...

...piece is in its fully closed position at side 282 and through hook 287 to **lock** zipper 283 on this second end. The customer can unlock this second padlock 289 to remove the **tote** 200.

Alternatively, instead of having a zipper 283, **bag** 280 may be made of a mesh net 281 (FIGS. 8A-C) that has an...

...mesh net 281 may be spread open and the van driver is able to insert **tote** 200 within mesh 280'. The van driver then gathers together O-rings 294 on side...

...padlock 293 though these O-rings 294, and locks padlock 295. The customer can remove **tote** 200 by removing the customer's padlock (not shown) from O-rings 292 on the opposite side 293 of the mesh net 281. Where **bag** 280 is sufficiently large, multiple **totes** 200 may simultaneously be secured within **bag** 280.

Tote 200 remains locked in **bag** 280 until the customer retrieves the **tote** and returns the **bag** into the grocery **box** 260 (step 100). The customer thereafter removes the groceries from the **tote** 200, removes **bag** 280 from grocery **box** 260, unlocks the customer padlock on **bag** 280, places the used **tote** 200 and any frozen inserts 210, which are nestable, back inside the **bag** 280 secured to the grocery **box** 260, and relocks the padlock before the next expected delivery to that customer, for pickup...be required to put down a deposit to insure against loss or damage to the **tote** 200 and freezing insert 210. The van driver may also pick up used **totes** 200...

...where no deliveries are made. While described with reference to a method of delivering groceries, **bag** 280 of FIGS. 7 and 8A-8C may be used to secure things other than **totes** 200 of groceries, either in combination with a grocery **box** 260 of the type described or independently thereof.

FIG. 9 illustrates another manner in which a single **tote** or multiple **totes** may be secured outside a delivery destination, other than in a **bag** 280. **Tote** 200' is a modified version of **tote** 200 in which an eyelet 300 is located on the exterior of a first side of a cover 205' of **tote** 200'. A corresponding eyelet 302 is located on the exterior of the main structure 207' of **tote** 200' substantially beneath eyelet 300 on the first side of **tote** 200'. Otherwise, **tote** 200' may be identical to **tote** 200, such as having an internal cavity 213 within the main structure 207' and being similarly maintainable at a desired temperature inside cavity 213. As before, **box** 260 is mounted to a place 270 outside the delivery destination 190. However, rather than securing **tote** 200' inside a **bag** 280, **tote** 200' is secured to **box** 260 with a multi-sectioned chain 310 comprising sections 310a, 310b, and 310c. When not in use, chain 310 is stored within **box** 260 and **box** 260 may be locked with a **lock**, like **lock** 262 (FIG. 5A). Sections 310a and 310c are secured on their first ends 310aa, 310ca, respectively, to **box** 260, either at a single location on **box** 260 or at two separate locations therein. Section 310b is secured to a second end 310ab of section 310a

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with **lock** 320 and is secured to a second end 310cb of section 310c with **lock** 321.

To deliver a **tote** 200', the van driver/delivery person opens **box** 260 (opening the **lock** , if any, to gain access to the chain 310 stored in **box** 260), and removes a portion of chain 310 that is removable from **box** 260 (some of chain 310 may remain in **box** 260 due to the placement of the mounting means of the first ends 310aa, 310ca somewhere inside **box** 260), while the respective first ends 310aa, 310ca of the first and third chain sections 310a, 310c, remain attached to **box** 260. The delivery person opens **lock** 320 (or **lock** 321, whichever he is given access to) and removes **lock** 320 from section 310b. The now loose end 310ba of section 310b is inserted through...

...sufficiently long middle section 310b, chain 310 can be used to secure more than one **tote** 200' by looping section 310b through eyelets 300, 302 on a first **tote** 200' A and then through similar eyelets on a second **tote** 200' B that is stacked above **tote** A (or placed nearby) to form loop 332 and to use loops 330, 332 to tighten the covers 205' of totes A and B to their respective main structures 207'. **Lock** 320 is then replaced to connect sections 310a and 310b. To keep the loops 330, 332 tight, **lock** 320 is inserted through link 310ba in section 310b that need not be the final...

...another link in section 310b.

The loops 330, 332 formed on the single side of **tote** 200' cannot by itself fully secure **tote** cover 205' to main structure 207'. Thus, a second pair of eyelets is placed on the opposite side of **tote** 200' from the side on which the first pair of eyelets is located, the second...

...to chain 310 and having sections 340a, 340b, and 340c, may be similarly attached to **box** 260 and looped through eyelets 342, 344 to form loop 346. Middle section 340b, if sufficiently long, may be used to similarly form a second loop 348 on a second **tote** 200' B stacked above the first **tote** 200' A. Chain 340 may likewise be stored in **box** 260 when not in use.

In lieu of second chain 340 and the second pair of eyelets 342, 344, a **tote** 220", which is another variation of totes 200 and 200', may comprises a first pair...

...the first side to securely connect the cover 205" to the main structure 207".

Where **tote** 200' or **tote** 200" is used, the customer retrieves **tote** 200' or **tote** 200" by removing **lock** 321 to separate sections 310b and 310c and removing the loop created with section 310b through eyelets 300, 302. Additionally, second chain 340 must be removed from **tote** 200'. After removing **tote** (s) 200', the customer returns **lock** 321 to reconnect chain sections 310b and 310c and chains 310, 340 may again be stored inside **box** 260.

Other embodiments for achieving the objectives of the invention may utilize, for example, a two-section chain lined by a single **lock** having multiple ways of opening the **lock** , including one way that only the delivery person can use to open the **lock** and a second way that only the customer can use to open the **lock** .

The above-described method offers many advantages over the prior art. Because there is no...

...a greater number of potential customers. The sales representative can provide and install the grocery **box** , provide an introductory coupon,

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send a personal note on significant occasions, such as birthdays and...

...distributing groceries, some customers may not wish to have their groceries delivered in a secure **bag** outside their home. These customers can be accommodated by giving them the option of shipping a **tote** 200 of groceries through another delivery method, such as regular next day delivery by an overnight delivery service such as the United Parcel Service. Using next day delivery, groceries in **tote** 200 can also be kept at the desired chilled temperature using a similar refrigeration method...

...CLAIMS A2

1. A method of securely delivering to a delivery destination a **tote** for holding an item, the method comprising:
providing a **tote** comprising a cover, a main structure, and a pair of eyelets on an exterior of the **tote** , including a first of the pair of eyelets on exterior of the cover and a...

...the exterior of the main structure substantially in proximity to the first eyelet;
delivering the **tote** to a delivery destination; and
securing the **tote** substantially at the delivery destination by connecting a securing means to a mounting means substantially...

...the pair of eyelets to securely tighten the cover to the main structure of the **tote** .

2. The method of claim 1, wherein the step of securing the **tote** comprises securing the securing means to a storage **container** mounted in proximity to the delivery destination, and the method further comprises holding the securing means inside the storage **container** when the securing means is not in use.

3. The method of claim 1, further comprising placing a grocery item into the **tote** and maintaining the grocery item at a desired temperature by placing a frozen insert in the **tote** in proximity to the grocery item.

4. The method of claim 1, further comprising placing a grocery item into the **tote** and maintaining the grocery item at a desired temperature by feeding a chilled gas into at least a portion of the **tote** .

5. A system for securely delivering to a delivery destination a **tote** for holding an item, comprising:

a **tote** comprising a cover, a main structure, and a pair of eyelets on an exterior of the **tote** , including a first of the pair of eyelets on the exterior of the cover and...

...structure substantially in proximity to the first eyelet; and
a securing means for securing the **tote** substantially at the delivery destination by looping a portion of the securing means through the pair of eyelets to securely tighten the cover to the main structure of the **tote** .

6. The system of claim 5, further comprising a storage **container** mounted in proximity to the delivery destination for holding the securing means when the securing means is not used to secure the **tote** , and wherein the securing means comprises means for securing the **tote** to the storage **container** .

7. The system of claim 5, further comprising a second **tote** comprising a cover, a main structure and a second pair of eyelets, and wherein the securing means further comprises means for securing the cover of the

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second **tote** to the main structure by looping the securing means through and around the second pair...

...method of distributing groceries comprising:

placing a grocery item ordered by a customer in a **tote** ;
placing the **tote** onto a removable rack in a warehouse;
transferring the rack with the **tote** thereon into a first vehicle; and
dispatching the first vehicle to deliver the grocery item...

...warehouse and a delivery destination, and the method further comprises:
transferring the rack with the **tote** thereon from the first vehicle to
a **second vehicle** ; and
delivering the **tote** to the delivery destination using the **second vehicle** .

10. The method of claim 9, wherein the **second vehicle** is smaller in size than the first vehicle.
11. The method of claim 9, wherein the rack on which the **tote** is placed is pitched such that when a second **tote** is located on the rack behind the first **tote** and the first **tote** is removed, the second **tote** falls into a space previously occupied by the first **tote** by at least one of gravity and the agitation of the movement of one of the first vehicle or the **second vehicle** .
12. The method of claim 8, further comprising:

establishing a plurality of warehouses to stock...

...a plurality of delivery destinations.

13. The method of claim 8, further comprising delivering the **tote** to a delivery destination by placing the **tote** into a secure **expandable bag** attached to a **box** situated outside the delivery destination.
14. The method of claim 13, wherein the **bag** has a collapsed state and an expanded state, and the method further comprises storing the **bag** in the collapsed state within the **box** when the **bag** is not used to store the **tote** , and removing the **bag** from the **box** , and expanding the **bag** to the expanded state before placing the **tote** therein.
15. The method of claim 14, wherein the **bag** has a **lock** to secure an opening in the **bag** , and the method further comprises opening the **lock** to provide access to place the **tote** in the **bag** , and locking the **lock** after placing the **tote** in the **bag** .
16. The method of claim 15, wherein the first opening provides access to a delivery person who opens the first **lock** , and the **bag** has a **second opening** and a second **lock** to secure the **second opening** , and the method further comprises a customer opening the second **lock** to gain access to remove the **tote** from the **bag** .
17. The method of claim 8, wherein the ordered grocery item requires refrigeration or freezing...

...method further comprises maintaining the grocery item at approximately a desired chilled temperature within the **tote** .

18. A method of ...grocery item from a customer;
placing the grocery item ordered by a customer into a **tote** at a warehouse;
placing the **tote** into a first vehicle;
transferring the **tote** from the first vehicle to a **second vehicle** at a transfer point, and
delivering the grocery item to the delivery destination using the

second vehicle .

19. The method of claim 18, further comprising placing the **tote** on a removable rack at the warehouse after placing the grocery item into the **tote** , and placing the **tote** into the first vehicle by placing the rack with the **tote** thereon into the first vehicle.
20. The method of claim 19, wherein a second **tote** is placed on the rack behind the first **tote** and the rack is pitched so that when the first **tote** is removed, the second **tote** falls into a space previously occupied by the first **tote** by at least one of gravity and the agitation of the movement of the first...

...destinations.

22. The method of claim 18, wherein the grocery item is delivered in the **tote** to the delivery destination, and the step of delivering the grocery item comprises placing the **tote** into a secure **expandable bag** attached to a **box** situated outside the delivery destination.
23. The method of claim 22, wherein the **bag** has a collapsed state and an expanded state, and the method further comprises storing the **bag** in the collapsed state within the **box** when the **bag** is not used to store the **tote** , and removing the **bag** from the **box** , and expanding the **bag** to the expanded state before placing the **tote** therein.
24. The method of claim 23, wherein the **bag** has a **lock** to secure an opening in the **bag** , and the method further comprises opening the **lock** to provide access to place the **tote** in the **bag** , and locking the **lock** after placing the **tote** in the **bag** .

30/3,K/2 (Item 1 from file: 349)

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FOOD STORAGE AND SERVING BAG

SAC PERMETTANT DE STOCKER ET DE SERVIR DES ALIMENTS

Patent Applicant/Assignee:

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Inventor(s):

MONSON Pamela D,

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FOOD STORAGE AND SERVING BAG

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Detailed Description
Claims

English Abstract

A food storage and serving **bag** which includes an open top enclosure having a base surrounded by at least one generally...

Detailed Description

TITLE OF INVENTION: Food Storage and Serving **Bag**
INVENTOR: Pamela D. Monson, Middleton ID.

D E S C R I P T I...

...invention generally relates to packaging for food articles. More particularly, this invention relates to a **bag** for food which can provide secure storage during transport and consumption, and contribute to highway...

...and a refuse receptacle for wrappers, sauce packets and the like, as well as a **bag** which can provide new promotional, entertainment and educational opportunities.

Background. Most people can appreciate the...

...used the phrase "dashboard dining."
Normally, fast food articles are individually packaged within a suitable **container** such as paper cups for drinks, clamshell cartons, paper wrappers or small **bags** for sandwiches, and paper **bags** or open cartons for finger foods such as french fries. These individual articles are then placed in a larger paper **bag** for transport from the restaurant. Unfortunately, these larger **bags** greatly reduce the accessibility to the food for consumption. The limited access is the result of the **bag** providing only unidirectional vertical access. This difficulty is further complicated by a narrow line of sight to the food items contained within the **bag**.

Because it is very inconvenient to eat from the larger **bag**, oftentimes all the articles are removed from the **bag** by the consumer for consumption.

Additionally, waste materials generated during consumption, such as straw wrappers...

...avoid stains and disposed of to avoid litter.

As each article is removed from the **bag**, it is usually placed somewhere in the vehicle such as on the car seat, between...

...wasted food supplies and lost income from negative publicity.
fact, be difficult to design a **container** better suited for causing inattention than the standard paper sack.

The problem of food related...

...problem on the rise.

Another safety problem arises when the food is removed from the **bag** and

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placed on surrounding ...and the food served.

U.S. Pat. No. 4,708,248 teaches a fast food **bag** which includes employing stiffer interior support members configured to form a cup **holder** and a food platform. While this invention provides a more secure transport mechanism, it does...

...food accessibility or lack of apron protection.

German Pat. No. 1804423 teaches a fresh vegetable **bag** which includes a crosswise perforation around three sides of the **bag** and an intersecting lengthwise perforation down the center of one of the three sides, which

...
...does it contribute to food or roadway safety.

What is needed is a consumer friendly **bag** or sack which provides convenient physical and visual access to contained fast food items and...

...to provide a clean surface to place food articles on during consumption. This type of **bag** or sack will allow both the consumer and the restaurant industry to adapt a pro...

...needs are satisfied, as well as other advantages realized, by a food storage and serving **bag** which includes an open top enclosure having a base surrounded by at least one generally...

...or similar mechanisms or means which facilitate the physical separation of two portions of the **bag** material along a predetermined path, as well as facilitating folding of partially separated panels away from other portions of the **bag**. Even fold lines, such as those used to form the **bag**, or directional indicia printed on the **bag** can serve as separation facilities. Advantageously, folds or creases compromise the structural integrity of the **bag** material along a predetermined line to facilitating separation of the **bag** material along the line by tearing.

Additionally, the separation facility may be manufactured using a...

...that used on Post-ItO notes to removably seal one or more seams in the **bag**.

The separation facility and the **bag** material are selected to be mutually compatible, which generally means that durable **bag** materials require more aggressive separation facilities while less durable materials require very little encouragement to separate along a predetermined path. Suitable **bag** materials include paper, paperboard, cardboard, plastic, natural and synthetic fabrics, plastic, foil and wax coated...

...or more of these materials. In the case where reusable materials are employed as the **bag** material, the separation facility can

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include mechanisms such as zippers, hook and loop fastening...

...separation facility can be used to form decorative silhouettes, shapes

and pop-outs in the **bag** and/or the apron as well as totally separating one portion of the **bag** from the remainder of the **bag** , as may be desired to form a play mat, game piece, advertising and education media ...

...claims.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1A is a front isometric view of a **bag** in which the invention may be implemented, illustrating the generally horizontally oriented paths or transverse...

...of the separation facility;

Fig. 1 B is a right side isometric view of a **bag** in which the invention may be implemented, illustrating the generally horizontally oriented paths or transverse...

...of the separation facility;

Fig. 1 C is a left side isometric view of a **bag** in which the invention may be implemented, illustrating the generally horizontally oriented paths or transverse

components of the separation facility;

Fig. 1 D is a back isometric view of a **bag** in which the invention may be implemented, illustrating the generally horizontally oriented paths or transverse

components of the separation facility;

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Fig. 2A is a front isometric view of a **bag** in which the invention may be implemented, illustrating the generally vertically oriented paths or longitudinal

components of the separation facility;

Fig. 2B is a right side isometric view of a **bag** in which the invention may be implemented, illustrating the generally vertically oriented paths or longitudinal

components of the separation facility;

Fig. 2C is a left side isometric view of a **bag** in which the invention may be implemented, illustrating the generally vertically oriented paths or longitudinal

components of the separation facility;

Fig. 2D is a back isometric view of a **bag** in which the invention may be implemented, illustrating the generally vertically oriented paths or longitudinal

components of the separation facility;

Fig. 3A is a front isometric view of a **bag** in which the invention may be implemented, illustrating the generally angularly oriented paths or paths

...

...components of the separation facility; Fig. 3B is a right side isometric view of a **bag** in which the invention may be implemented, illustrating the generally angularly oriented paths or paths...

...components of the separation facility; Fig. 3C is a left side isometric view of a **bag** in which the invention may be implemented, illustrating

the generally angularly oriented paths or paths...

...longitudinal components of the separation facility;

Fig. 3D is a back isometric view of a **bag** in which the invention may be implemented, illustrating the generally angularly oriented paths or paths

...

...longitudinal components of the separation facility;

Fig. 4A is a front isometric view of a **bag** in which the invention may be

implemented, illustrating the score or fold lines, as well as the seams of a

standard paper **bag** ;

Fig. 4B is a right side isometric view of a **bag** in which the invention may be implemented, illustrating the score or fold lines, as well as the seams of a

standard paper **bag** ;

Fig. 4C is a left side isometric view of a **bag** in which the invention may be implemented, illustrating the score or fold lines, as well as the seams of a

standard paper **bag** ;

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Fig. 4D is a back isometric view of a **bag** in which the invention may be implemented, illustrating the score or fold lines, as well as the seams of a

standard paper **bag** ;

Fig. 5 is a back isometric view of a single side trash receptacle configuration of a food storage and serving **bag** according to a first embodiment of the invention;

Fig. 6 is a back isometric view...

...second version of a single side trash receptacle configuration of a food storage and serving **bag** according to a second embodiment of the invention;

Fig. 7 is a back isometric view...

...third version of a single side trash receptacle configuration of a food storage and serving **bag** according to a third embodiment of the invention;

Fig. 8 is a back isometric view...

...fourth version of a single side trash receptacle configuration of a food storage and serving **bag** according to a fourth embodiment of the invention;

Fig. 9 is a front isometric view...

...a first version of an upright truncated compartment configuration of a food storage and serving **bag** according to a fifth embodiment of the invention;

Fig. 1 OA is a front isometric...

...a second version of an upright truncated compartment configuration of a food storage and serving **bag** according to a sixth embodiment of the invention;

Fig. 1 OB is a back isometric...

...first version of a single side lap apron configuration of a food storage and serving **bag** according to a seventh

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embodiment of the invention;
Fig. 12A is a front isometric view...

...version of a separate apron upright truncated compartment configuration of a food storage and serving **bag** according to an eighth embodiment of the invention, including double separate aprons;
Fig. 12B is...

...first version of a double side lap apron configuration of a food storage and serving **bag** according to a ninth embodiment
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of the invention;
Fig. 14 is a front isometric...

...second version of a single side lap apron configuration of a food storage and serving **bag** according to a tenth
...second version of a double side lap apron configuration of a food storage and serving **bag** according to an eleventh embodiment of the invention;
Fig. 16 is a front isometric view...

...version of a double side double end apron configuration of a food storage and serving **bag** according to a twelfth embodiment of the invention;
Fig. 17 is a front isometric view...

...version of a double side double end apron configuration of a food storage and serving **bag** according to a thirteenth embodiment of the invention;
Fig. 18 is a front isometric view...

...third version of a double side lap apron configuration of a food storage and serving **bag** according to a fourteenth embodiment of the invention;
Fig. 19 is a front isometric view...

...a first version of a double end apron configuration of a food storage and serving **bag** according to a fifteenth embodiment of the invention;
Fig. 20 is a back isometric view...

...first version of a single end lap apron configuration of a food storage and serving **bag** according to a sixteenth embodiment of the invention;
Fig. 21 is a back isometric view...

...second version of a double end lap apron configuration of a food storage and serving **bag** according to a seventeenth embodiment of the invention;
Fig. 22 is a front isometric view...

...third version of a single side lap apron configuration of a food storage and serving **bag** according to an eighteenth embodiment of the invention;
Fig. 23 is a front isometric view...

...version of a combination apron and crumb tray configuration of a food

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storage and serving **bag** according to a nineteenth embodiment of the invention; Fig. 24A is a back isometric view...

...version of a combination apron and crumb tray configuration of a food storage and serving **bag** according to a 10 nineteenth embodiment of the invention; Fig. 24B is a detail...

...version of a combination apron and crumb tray configuration of a food storage and serving **bag** according to a nineteenth embodiment of the invention; Fig. 25 is an isometric view of...

...version of a combination apron and crumb tray configuration of a food storage and serving **bag** according to a twentieth embodiment of the invention; Fig. 26 is an isometric view of...

...version of a combination apron and crumb tray configuration of a food storage and serving **bag** according to a twenty first embodiment of the invention; Fig. 27A is a front isometric view of a **bag** according to a twenty-first embodiment of the invention illustrating detail location; Fig. 27B is a detail view of a food storage and serving **bag** according to a twenty-first embodiment of the invention; Fig. 28 is an isometric view...

...version of a combination apron and crumb tray configuration of a food storage and serving **bag** according to a twenty second embodiment of the invention; Fig. 29A is a front isometric view of a **bag** illustrating detail location according to a twenty-third embodiment of the invention; Fig. 29B is a detail view of a food storage and serving **bag** according to a twenty-third embodiment of the invention; Fig. 29C is a detail view of a food storage and serving **bag** according to a twenty-third embodiment of the invention; Fig. 30 is a front isometric...

...of the first version of the car seat configuration of a food storage and serving **bag** is use according to a twenty fourth embodiment of the invention ; Fig. 31 is a front isometric view of a **second car** seat configuration of a food storage and serving **bag** according to a twenty-fifth embodiment of the invention; Fig. 32 is a back isometric view of a third car seat configuration of a food storage and serving **bag** according to a twenty-sixth embodiment of the invention; Fig. 33 is an isometric view of a **bag** illustrating some of the possible locations for placement of tape tabs for use with the invention;

1 1

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Fig. 34 is a front isometric view of a **bag** in which a design element configuration of the invention may be implemented, showing a set...

...front isometric view of a first design element configuration of a food storage and serving **bag** according to a twenty-sixth embodiment of the invention;

Fig. 36 is a front isometric view of a second design element configuration of a food storage and serving **bag** according to a twenty-seventh embodiment of the invention;

Fig. 37 is a partial cut...

...for sauce receptacles and trash receptacles;

Fig. 41 is a front isometric view of a **bag** from which a fourth version of a single side lap apron configuration of a food storage and serving **bag** according to a twenty-eighth embodiment of the invention can be constructed; Fig. 42 is...

...fourth version of a single side lap apron configuration of a food storage and serving **bag** according to a twenty eighth embodiment of the invention;

DETAILED DESCRIPTION OF THE INVENTION

Referring now to the figures, several embodiments of a food storage and serving **bag** according to the invention will be described in detail. These

1 2

embodiments have been implemented using a perforation separation facility in conjunction with a rectangular paper **bag** similar to those familiar with fast food packaging. It should be noted that the invention...

...lines and seam lines which a typical manufacturer uses to form a rectangular shaped paper **bag** which here has been selected to illustrate the invention. However, it should be noted that the invention does not require a particular configuration or composition of **bag** as long as it is a generally open top enclosure having a base surrounded by...

...including a generally vertical longitudinal axis.

The folds and seams which define a standard paper **bag** may have separation paths or facilities which lie coincident with them. For example, the separation...

...9, S-1 0 and S-1 2, which define the corner edges of the **bag**, lie coincident with separation paths or facilities 7, 97 1 0 and 12. Similarly, separation...

...be varied to define other configurations and are within the scope of this invention. Most **bags** are symmetrical about one or more axes so 1 0 that the nomenclature is relative...

...is here defined as a single side receptacle configuration of the food storage and serving **bag** 100.

Food **bag** I 00 is formed by separating **bag** 1 01 along paths 2, 3 and 4. The upper portion of **bag** 1 01 is then folded back along path 5. Additionally, the top edge of **bag** 1 01 is folded over on itself to form

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an upright truncated compartment
103 having...

...a second configuration of a single side trash receptacle configuration of food storage and serving **bag** 200 according to a second embodiment of the invention. Food **bag** 200 is formed and functions similarly to food **bag** 1 00 with the exception that the top edges of **bag** 201 are taped to a bottom portion of upright truncated compartment 203 using tape segments...

...third possible configuration of a single side trash receptacle configuration of food storage and serving **bag** 300 according to a third embodiment of the invention. **Bag** 300 is similar in all respects to **bag** 1 00 with the exception that **bag** 301 is separated along paths 21, 22 and 23 to form an upright truncated compartment 303 having a lower front edge. Receptacle 302 is similar to receptacle 202. Additionally, the **bag** can be separated along the lines 2, 3 and 4 to remove a depending portion of **bag** 301 so as not to interfere with use of receptacle 302. Alternatively, this portion of **bag** 301 can be folded over into the interior of receptacle 302.

Fig. 8 illustrates a fourth possible configuration of a single side trash receptacle configuration of food storage and serving **bag** 400 according to a fourth embodiment of the invention which is here defined as a single side trash receptacle configuration of food storage and serving **bag** 400. **Bag** 400 is similar

1 4

in all respects to **bag** 300 with the exception that the top edge of **bag** 401 is taped to a bottom portion of upright truncated compartment 403 using tape segments...

...as a first version of an upright truncated compartment configuration of food storage and serving **bag** 500. Food **bag** 500 is formed by separating **bag** 501 along paths 2, 3w 4 and 5 to form upright truncated compartment 503 and a detached separate panel 502. Panel 502 is actually the upper portion of **bag** 501 which can be used in as a protective apron or mat, or simply discarded...

...which is here defined as an upright truncated compartment configuration of food storage and serving **bag** 600. Food **bag** 600 is for my separating **bag** 601 along paths 5, 21, 22 and 23. This forms and upright truncated compartment 603...first version of a single side lap apron configuration of the food storage and serving **bag** 800. Food **bag** 800 is formed by separating **bag** 801 along paths 1 1 1 D, 21 B, 21 A, 22 and 23. The...

...the truncated compartment 803 defines a food storage and serving tray. The primary distinction between **bag** 800 and **bag** 700 is that **bag** 800 provides a lower front edge to truncated compartment 803 to facilitate access thereto.

Figs...

...here defined as a double separate apron upright compartment configuration of food storage and serving **bag** 1300. Food **bag** 1300 is formed by separating **bag** 1301 along lines 1 7 ID, 5A, 513, 6, 21 A, 21 B, 22 and 23. Aprons 1302 are formed by separating the upper portion of

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bag 1301 along a center line.

Fig. 13 illustrates a ninth possible embodiment of the invention...

...a first version of a double side lap apron configuration of food storage and serving **bag** 1600. Food **bag** 1600 is formed by separating **bag** 1601 along lines 8, 11, 65, 66, 69, and 70. The resulting attached panels one...

...second version of a single side lap apron configuration of a food storage and serving **bag** 2000. Food **bag** 2000 is formed by separating **bag** 2001 along lines 8, 11, 41, and 42. The resulting attached panel 2002 is then...

...second version of a double side lap apron configuration of a food storage and serving **bag** 2100. Food **bag** 2100 is formed by separating **bag** 21 01 along lines 3A, 3131 4AY 4131 8, and 1 1. The resulting attached...

...version of a double side double end apron configuration of a food storage and serving **bag** 3200. Food **bag** 3200 is formed by separating **bag** 3201 along lines 7, 7D, 9, 9D, 1 0, I OD, 12 and 12D. The...

...version of a double side double end apron configuration of a food storage and serving **bag** 3400. Food **bag** 3400 is formed by separating **bag** 3401 along lines 7, 91 9D 1 0@ 1 OD and 12. The resulting attached...

...third version of a double side lap apron configuration of a food storage and serving **bag** 3700. Food **bag** 3700 is formed by separating **bag** 3701 along lines 7, 12, 22 and 23. The resulting attached panels 3702 and 3703...

...a first version of a double end apron configuration of a food storage and serving **bag** 4000. Food **bag** 4000 is formed by separating **bag** 4001 along lines 1, 6, 13A, 13137 16A and 16B. The resulting attached panels 4002...

...defined as a first single end lap apron configuration of a food storage and serving **bag** 5000. Food **bag** 5000 is formed by separating **bag** 5001 along lines 2, 3A, 3B, 5 and 8. The resulting attached panel 5002 is double end lap apron configuration of a food storage and serving **bag** 5200. Food **bag** 5200 is formed by separating **bag** 5201 along lines 2, 5, 60 and 61. The resulting attached panels 5202 and 5203...

...third version of a single side lap apron configuration of a food storage and serving **bag** 5500. Food **bag** 5500 is formed by separating **bag** 5501 along lines 1 7 21 A1 21 B, 22 and 23. Parallel separation facilities...

...version of a combination apron and crumb tray configuration of a food storage and serving **bag** 5700. Food **bag** 5700 is formed by separating **bag** 5701 along lines 32, 337 101 and 102. The resulting attached panel 5702 is then...

...version of a combination apron and crumb tray configuration of a food storage and serving **bag** 6100. Food **bag** 6100 is formed by separating **bag** 61 01 along lines 22, 23, 46 and 48. The resulting attached panels 6102 and...

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...version of a combination apron and crumb tray configuration of a food storage and serving **bag** 6200. Food **bag** 6200 is formed by separating **bag** 6201 along lines 3, 41 61 55 and 56. Separation facilities lying along lines 55...

...version of a combination apron and crumb tray configuration of a food storage and serving **bag** 6300. **Bag** 6300 is formed by
1 8
separating **bag** 6301 along lines 22, 23, 55 and 56. Separation facilities lying along lines 55 and...

...as a first version of a car seat configuration of a food storage and serving **bag** 6900. Food **bag** 6900 is formed by separating **bag** 6901 along lines 5A, 5137 61 22 and 23. Parallel separation facilities along the lines...

...illustrates the first version of a car seat configuration of a food storage and serving **bag** 6900 in use.

Fig. 32 illustrates a twenty-fifth possible embodiment of the invention which...

...as a third version of a car seat configuration of a food storage and serving **bag** 71 00. Food **bag** 71 00 is formed by separating **bag** 71 01 along lines 6, 91 9D and 10D. The resulting attached panels 7102, 7106...

...can be used to both secure the various versions of the food storage and serving **bags** to their surrounds ...of some configurations. For example, tape tabs could be placed on the bottom of the **bags** . Figs. 34 and 35 illustrate a first design element configuration of a food storage and serving **bag** according to a twenty-sixth embodiment of the invention here designated as food storage and serving **bag** 8300. In these embodiments, the separation facilities may also define one or more design elements...

...facilities follow the outline of a scene or depiction printed on the interior of the **bag** . This particular embodiment illustrates how the separation facility follows other than rectilinear paths, e.g...

...often accompany children's fast food meals.

The design elements can be integrated into the **bag** or they can be separate such as that shown in Fig. 36. Fig. 36 illustrates a second design element configuration of a food storage and serving **bag** according to a twenty seventh embodiment of the invention here designated as food storage and serving **bag** 8400. Here, **bag** 8401 is formed into a separate truncated upright compartment portion and a separate apron element...

...for receptacle retaining straps. Other features which can be implemented on the various embodiments include **container** holders for holding coffee cups, soup and chili bowls. Some of these features are shown...

...38.

Sauce receptacle 9000 is here formed using a single strap 9001 and elongated sauce **container** 9002 secured within strap 9001. Strap 9001 is

formed by a pair of parallel spaced...

...or adhesively affixed to a side wall.

Trash receptacle 9005 is here shown as a **bag** attached to an interior surface of truncated upright compartment 9004. The relative size and shape...

...take the form of a partitioned compartment within the truncated upright compartment or a separate **container** attached within the truncated upright compartment. Generally speaking, trash receptacle 9005 is intended to store...

...configurations of the trash receptacles can be implemented and include flat single sided receptacles, flat **double sided** receptacles, pleated designs as well as ornamental designs.

Cup holders and storage and serving partitions...

...fourth version of a single side lap apron configuration of a food storage and serving **bag** 8500. Food **bag** 8500 is formed by separating **bag** 8501 along lines 6, 39, 40, 105, 106, 107, 108A and 109A. Parallel separation facilities generally located along lines 6 define a pull tab 8503 to facilitate separation of **bag** 8501. Resulting panel 8502 is then folded along line 107 to form an apron and...

...and consumption.

Using multi-distinctive indicia, multiple configurations can be laid out on a single **bag** thereby allowing multiple embodiments to be formed from a single **bag**.

The end user can then decide which configuration he or she would like. For example...feature which can be implemented is to incorporate indicia on

removable sections of the various **bags**. For instance, a pull tab might contain advertising incentives such as a coupon which could...

...and slot connectors to aid construction as well as thin wire segments incorporated into the **bags** to facilitate construction and closure.

While there is shown and described certain embodiments of the...

Claim

22

A food storage and serving **bag** which comprises:
an open top enclosure having a base surrounded by at least one generally
...

...plane which is not parallel to the longitudinal axis.

2 The food storage and serving **bag** of claim 1 wherein the separation facility is further configured to facilitate formation of a...

...plane which is not parallel to the longitudinal axis.

3 The food storage and serving **bag** of claim 1 wherein the separation facility is further configured to facilitate formation of a...

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...of apron portions upon separation of the side wall.

4 The food storage and serving **bag** of claim 3 wherein at least one of the apron portions includes an intermediate fold forming a crumb tray.

5 The food storage and serving **bag** of claim 2 wherein at least one of the apron portions includes an intermediate fold forming a crumb tray.

6 The food storage and serving **bag** of claim 1 wherein the apron portion includes an intermediate fold forming a crumb tray.

2 3

7 The food storage and serving **bag** of claim 1, 2, 3, 4, 5 or 6 wherein the separation facility is further configured to produce an ornamental silhouette.

8 A food storage and serving **bag** which comprises:
an open top enclosure having a base surrounded by at least one generally
...

...the side wall and an attached 1 1 portion.

9 The food storage and serving **bag** of claim 8 wherein the separation facility is further configured to facilitate formation of a...

...of the side wall and a detached portion.

I 10. The food storage and serving **bag** of claim 1, 8 or 9 further comprising a receptacle affixed to the truncated upright compartment portion.

11 A food storage and serving **bag** which comprises:
an open top enclosure having a base surrounded by at least one generally
...

...planes which are not parallel to the longitudinal axis.

12 The food storage and serving **bag** of claim 1 1 wherein the apron portion includes an intermediate fold forming a crumb tray.

13 The food storage and serving **bag** of claim I 1 or 12 further comprising at least one adhesive tape segment attached to the **bag** and positioned to facilitate attachment of the **bag** to a child car seat.

2 5

.v(Iq

Iq

Ila

3 PT 3Bf

tcM...entire document. 1-39 7-10

E1 Further documents are listed in the continuation of **Box** C. See patent family annex. Special categories of cited documents: 'T' later document published after...

...Name and mailing address of the ISA/US Authorized officer
Commissioner of Patents and Trademarks

Box PCT

Washington, D.C. 20231 JES F. PASCUA

Facsimile No. (703) 305-3230 Telephone No...

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...ISA/210 (second sheet) (July 1992)*

USiTERNATIONAL SEARCH REPORT International application No.

PCT/US99/19817

Box I Observations where certain claims were found unsearchable
(Continuation of item I of first sheet...not drafted in accordance with
the second and third sentences of Rule 6.4(a). **Box II** Observations
where unity of invention is lacking (Continuation of item 2 of first
sheet...

...of first sheet(1)) (July 1992)*

DiTERNATIONAL SEARCH REPORT international application No.

PCT/US99/19817

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION WAS LACKING
This ISA found multiple inventions as follows...

?

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? t33/3,k/all

33/3,K/1 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00540553 **Image available**

MULTI-PURPOSE FOLDABLE TOTE BAG

SAC FOURRE-TOUT PLIABLE

Patent Applicant/Assignee:

STREVEY Darlene,

Inventor(s):

STREVEY Darlene,

STREVEY Jay,

VAZQUEZ Rene A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200003926 A1 20000127 (WO 0003926)

Application: WO 99US14144 19990714 (PCT/WO US9914144)

Priority Application: US 98115829 19980715

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
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ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 10511

MULTI-PURPOSE FOLDABLE TOTE BAG

International Patent Class: **A47B-023/00** ...

... **A47C-007/62**

Fulltext Availability:

Detailed Description

Claims

English Abstract

A foldable **bag** (10) comprising a laminate panel section (24) and a plurality of pockets (41). The **bag** is foldable to assume a folded closed configuration, an unfolded flat configuration, or a folded open configuration. The **bag** (10) is adapted to be supported by a support structure, such as a chair back...

Detailed Description

MULTI-PURPOSE FOLDABLE TOTE BAG

BACKGROUND OF THE INVENTION

1. Field of the Invention

This invention relates generally to a **tote bag** and, more specifically, to a foldable **bag** which may be folded into a closed configuration for transportation of items therein, and which...

...storage, and access of items therein.

2. Background of the Related Art

A number of **tote bags**, garment **bags**, backpacks, etc. have been

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disclosed
as devices for the transportation of various items. For example...

...a suit carrier.

U.S. Patent No. 5,653,337 to Cirigliano discloses a reversible **tote bag** for storing, displaying, accessing and carrying tools. The **tote bag** has a reversible folding wall which includes a display panel having individual compartments for
I...

...storing tools. A reversible zipper, extending along the periphery edge of the sides of the **bag**, allows the sides of the **bag** to be closed with the display panel either on the exterior or on an interior...

...No. 5,628,439 to O'Hara discloses a portable desk and cooperative file folder **holder** for use in a seat. The desk includes a horizontally disposed rectangular base member, which...

...convertible article carrier, e.g., for carrying and storing various tools, that is essentially a **tote bag** that is able to an apron having a belt, with the belt functioning as a...

...strip.

U.S. Patent No. 5,113,982 to Pulichino et al. discloses a garment **bag** that includes an outer panel, a pair of sides, integral ends, and an inner panel that includes first and second inner panel sections. The **bag** may be suspended from a hook provided at one end of the **bag**, and either of first and second inner panel sections may be opened or closed independently...

...U.S. Patent No. 4,960,204 to Young et al. discloses a flexible travel **bag** for carrying, storing, and transporting its contents in a closed, folded position. The **bag** may be hung in a vertical open position to enable ready access to the inside of the **bag**.

U. S. Patent No. 4,887,751 to Lehman discloses a compartmental luggage or travel **bag** of soft, frameless, sewn or stitched construction employing flexible fabric having an inside and an outside surface. The **bag** is capable of being fully unfolded to an open condition of display usage.

U.S. Patent No. 4,804,084 to Markovich discloses a foldable garment **bag** which incorporates a retainer assembly to suspend and retain closure panels in an open upright configuration. The retainer assembly attaches to the **bag** by a fabric sleeve, and includes a tubular housing, two telescopic subassemblies, and two attachment subassemblies.

U.S. Patent No. 4,738,360 to King et al. discloses a garment **bag** adapted to fold into a suitcase-like configuration, and capable of being suspended in a...

...598,803 to Ghiassi discloses a compact carry-on luggage assembly that includes a garment **bag**, a carry-on **bag**, and a toilet kit. Snap-hook means are adapted for attaching the toilet kit across the center of the inner surface of the garment **bag**.

U.S. Patent No. 4,169,550 to Williams discloses an emergency medical kit

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constructed...

..

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and/or the tray or **tote** can be rechecked.

The perishability information can be used to ensure that products are removed...can be scanned as it moves past various points in the system.

I 0 9. **Tote**

Totes are storage containers used to hold products for transportation to the consumer. There may...

...some totes may be designed for holding frozen and refrigerated goods. Like the trays, each **tote** has an identifier to support automated movement through the distribution center by conveyor. The distinction...

...different products would be comprised of ten pick tasks. However, if the order included five **bags** of Brand X potato chips, that might be consolidated into a single pick task -- depending on the number of **bags** I 0 of potato chips in the pod. For example, if pod two had only two **bags** of potato chips left and pod three had the last three **bags** of potato chips, two pick tasks would be required.

a) Carousel Pick Task

Carousel pick tasks require the coordination of the conveyors to transport the I 5 **tote** to the appropriate pod with the carousels to bring the appropriate storage tray to an...

...the actual physical movement of the product, or products, from a carousel tray to a **tote** .

In some cases, a pick task may be used to move products from one tray...

...date into a single tray.

Once the pick task is accomplished, the conveyor moves the **tote** to the next destination automatically. In some embodiments, a push button signal is employed to...

...pick operator to signal that she/he has placed the product, or products, into the **tote** .

- 13

b) Mechanized Pick Task

Mechanized pick tasks can be accomplished by using carts to...

...put into the totes for delivery. Once the necessary items are in the totes, the **tote** is placed on the outbound conveyors.

c) Manual Pick Task

The process for manual pick tasks is similar to the mechanized pick task. The **tote** that arrives on the inbound conveyor is scanned. A list of locations with items for the **tote** is displayed. An operator retrieves the indicated items from the listed I 0 locations and then transfers the **tote** on the outbound conveyor. In some embodiments, a single operator performs all of the manual...

...order preparation areas to the manual pods for placement (pick tasks) into totes. When the **tote** for Mrs. Smith arrives at the manual pod for

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pick tasks, the identifier on the **tote** will be matched with the location, or locations, within the manual pod that have items... resources.

For example, if the Palo Alto station serves five subzones with twenty vans and **two trucks** on most days, then if a consumer in a subzone of the Palo Alto station...East Route Name Orinda West

Departure Date Thursday 1/2/99 Departure Date Thursday 1/ 2 /99

Vehicle Truck 16 Vehicle Van 53
Driver John Doe Driver Mike Smith
Stor) Address Arrive Leave...

...12345 is a parent route to the van route 23456. If the truck contains a **tote** for a customer in the van route, e.g. the **tote** for Customer - Jones, then this relationship can be seen in the itinerary for the **tote**. For example, a **tote** could have an itinerary as shown by the following table.

Tote Itinerary
Tote LR88888
Shipment Jones 123
Customer Jones
Itinerary Truck Route 12345
Van Route 23456

Usually a **tote** for a consumer is transported by truck from the distribution center to a station or...the intake of goods into the system and having those goods put into the correct **tote**, truck, and van.

1. Put A@Lqa Planning

The distribution center 120 systems plan for...when appropriate.

2. Pick Planning

The pick planner determines the activities required to assemble a **tote** or a group of non-conveyables, e.g. items not transportable by the conveyors, to...

...which the shipment already has a pick task.

The order of pick tasks for a **tote** can take into account the pod order. For example, the picking order in the ambient pods for a **tote** might be Pod 4, 6, and 9, but i o not 6, 4, and 9...

...range can be used as a quality check. The due time is the time the **tote** should reach the final stop. Special instructions allow for messages and special handling.

For example...

...quality control check will be determined based on the prices of the items in the **tote**, a sampling system, e.g. to ensure a certain number of spot checks, the current...

...can be used to trigger gift wrapping of one or more items in an assembled **tote**. The pod where the gift wrapping will occur is determined by the pick planner in...

...pick planner uses the cube, e.g. volume, and/or weight capacity information of a **tote** together with the corresponding information about

items to prevent overfilling.

The pick planner sequences the...

...and more specifically a lane at the outbound dock, is the last stop for a **tote** before loading, in some embodiments. For non-conveyables, e.g. items that can not be...path is a type of conveyor plan having a series of pod destinations that a **container** should traverse. The path can include all stops, including the last stop, which for totes...

...result. These are the readings from sensors along conveyor lines that can detect a stopped **container**, etc.

In one embodiment, the carousel system notifies the AMH 286 when a batch of...

...the exact order as specified in the path. If a pod is full, then the **container** recirculates until that stop can be made.

In contrast, dynamic paths are provided to the...

...when there is an overflow condition in pod 3, for example. In that case, the **tote** could be directed to pod 6, rather than re-circulate to pod 3. After pod 6, the **container** 1 5 would move to pod 3.

If the stops are flexible, then the AMH...

...the last one. When possible, the AMH 286 instructs the pod operator to place the **tote** on an express conveyor after the last stop.

2. Response Times

When the AMH 286...

...releasing totes can occur if the AMH 286 sends many paths calling for the same **tote** type at a time. The carousels plans are executed when the containers arrive in the...

...complete. The pick and put-away planner 282 may include a start time in the **tote** plan to assist the AMH 286 in inducting the **tote**.

The AMH 286 can be programmed to work in a just in time (JIT) fashion... does not recognize are pathless containers. The conveyor will send a message noting the pathless **container** and the AMH 286 will attempt to re-route the **container**. If that is not possible, the AMH 286 will direct the **container** to an appropriate temperature environment for exception handling.

4. AMH - Conveyor/Carousel Path Selection

In...

...to I 0 determine which conveyor to use. The first rule is that if a **container**, because of its type, e.g. shape/weight, requires one of the two levels, then...

...ftill and upper not more than Y% full.

5. AMH - Conveyor Responsibilities

The conveyors manage **container** movement on the conveyor equipment. The conveyors direct the movements of containers into and out...

...specific containers and the conveyors do the work.

In one embodiment, the conveyors route a **container** to a destination until a destination task complete message is received from the AMH 286. This ensures that a - 50 **container** will not continue to the next destination in a path until all tasks are completed...

...The conveyors are able to induct totes at the direction of the AMH 286 from **tote** release areas. The plan provided by the AMH 286 will not include an identifier for the **tote**, but rather a **tote** type. The **tote** identifier is scanned by the conveyor prior to being inducted out of the **tote** release area, and the identifier is supplied to the AMH 286 for further use.

If the **tote** in the release area is not the correct type, an exception can be raised and the **tote** may be held until the exception is resolved. In some embodiments, 10 additional **tote** releases can continue while the exception is handled. In some embodiments, the **tote** is held until the right type of **tote** is available. In other embodiments, the release is held until the right type of **tote** is available.

The conveyors automatically re-circulate containers when they are not diverted into their...

...circulations can be reported to the AMH 286 either immediately on diversion, or when the **container** is resorted.

The warehouse management system 288, e.g. MOVETM, may include a maximum and a minimum gross weight for each **container**. For totes, this is the expected weight range when the picking is complete, or at...

...button press can be used to indicate that the item has been placed into the **tote**. One further optimization is to provide a task complete button near the carousel. The operator...

...for a second task complete button to be pressed after the item is in the **tote**.

The put away and pick tasks can be optimized in several ways. In one embodiment...

...e.g. cost of item, spot check of inventory, and/or other parameters.

When a **tote** is at its last pod stop, it is usually positioned on the upper conveyor in some embodiments. The AMH 286 instructs the carousels to tell the operator to put the **tote** onto the express conveyor.

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The AMH 286 plan will include messages to the carousels to notify the operator to **bag** items when appropriate.

7. AMH - Implementation

In some embodiments, the AMH 286 models the sequence of messages sent, and expected, using a modified finite state machine. More specifically, each **container** can be thought of as traversing a set of states. At each state, one or...the products into trays at receiving 606. For example, Brand X potato chips 16 oz. **bags** may come packed in cartons of twenty **bags**. The receiver opens the carton and transfers the **bags** into trays.

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1 5 The receivers 624 may have wireless scanners for reading the universal...

...pod.

When required based on the SKU, the receiver 624 is notified that they should **bag** an item.

In some embodiments, the system determines the optimal tray size based on i...the shipment.

The receiver 624 checks in damaged product using the appropriate codes and the **container** can be automatically routed for quality control and review.

More than one receiver 624 can...

...complete. This causes the system to display the next action and allows the tray or **tote** to be moved by conveyor to the next destination. For example, in front of the...

...indicate how many of the picked items are to be placed in each tray or **tote** currently stopped on the conveyor in 1 5 the pod. The operator places the items...

...the appropriate locations. A pick may include several eaches for more than one tray or **tote**, this can be combined into one pick action.

For put away operations, a tray of...pick tasks. When the mobile device is used to read the identifier associated with a **tote**, the pick tasks associated with that **tote** are provided to the operator 626 in the form of location, SKU, and quantity information...

...signal the completion of the pick tasks. When all of the pick tasks for a **tote** are complete, the **tote** is moved to the outbound conveyors.

In some embodiments, pick tasks for items stored in...

...the item to be known when it comes time to deliver the item into a **tote**.

- 61

. Outbound Dock Operations

The outbound dock operators 630 processes totes leaving the distribution center...

...outbound dock areas 620. Additionally, the operator 630 processes empty totes -- for return to the **tote** station 604, returned products and/or other things coming back from the stations.

In some...

...the stations, they are then rolled onto vans. Thus, during normal operation, there is no **tote** by **tote** handling, or organizing needed once the **tote** is placed in the dolly.

In some embodiments, totes are not pre-sorted within a...

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...van route may have fifteen large ambient totes. It has been observed that selecting one **tote** out of a group this size will take less than fifteen seconds.

A shipping spur...is indicated. In some embodiments, the operator 630 uses a mobile device to scan the **tote**, and the mobile device indicates the floor location. At placement, the system may request that the operator 630 scan the **tote** and the floor location identifier to confirm placement of the **tote**.

The operator 630 can preview the truck route summary to check the status of the...

...the dollies. The operator 630 matches totes to dollies. Exceptions will be noted if a **tote** is in an improper floor position, e.g.

positioned for the wrong ultimate van route...

...dollies contained totes with multiple destinations, the station operator would be notified and unload that **tote**. In normal operation, this should not be necessary.

At the station, the dollies can be...

...the shipments. A 1 5 shortage within a load item occurs when, for example, a **tote** on a dolly is missing

2. **Tote** to Door Process

If the customer is not at home, the courier can check the...the consumer's door in some embodiments.

The MFD 265 is used to scan the **tote** (s) and/or item(s) to be returned. In one embodiment, this includes providing a...

...be out of previous shipments to the consumer. For example, if the consumer ordered a **box** of popcorn a week earlier, the consumer can return it in some - 66 embodiments. The...

Claim

... the storage area including a conveyor and a carousel, the conveyor for receiving a shipping **container** and sending the shipping **container** to a destination with the product, the carousel including a plurality of products, the plurality...

...so that the product in the plurality of products is accessible responsive to the shipping **container** being on the conveyor in the storage 1 1 area, and the destination within the distribution center for transferring the shipping **container** to a dolly, and the distribution center for transferring the dolly to a truck, and...

...for transferring the number of dollies to a van; the van for delivering the shipping **container** to the consumer. i 8. The system of claim 7, wherein the storage area is...

...additional identification information; and responsive to the fourth signal:

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transferring the product to a shipping **container** ,
transferring the shipping **container** to a delivery vehicle, and
delivering the shipping **container** including the product to the customer
I 11. The method of claim IO, wherein prior...

...recited in any of the claims 10-12, the transferring the product
to a shipping **container** comprises:
determining a number of shipping containers necessary to hold the
plurality of
products;
releasing...

...17 The method as recited in any of the claims 10-16, wherein the
shipping **container** is adapted for a refrigerated product.

18 The method as recited in any of the claims 10- 1 7, wherein the
shipping **container** is adapted for a frozen product.

19 A system comprising:
a carousel, the carousel having...

...to a portion of the plurality of locations; a conveyor, the conveyor for
transporting a **container** , the conveyor including
at least ...access to a portion of the plurality of locations including
a location for storing the **container** when the **container** is at the at
least one 1 1 location on the conveyor.

20 The system of claim 19, wherein the **container** is a shipping
container , and wherein a product stored in the carousel is to be placed
in the **container** , the processor includes a second program, the second
program for rotating the carousel to allow

73

access to a portion of the plurality of locations including a location
storing a **container** with the product when the **container** is at the at
least one location on the conveyor.

21 A method for displaying...

?

? t27/3,k/all

27/3,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00648760

DRY POWDER DELIVERY SYSTEM

ABGABESYSTEM FUR TROCKENPULVER

SYSTEME D'ADMINISTRATION DE POUDRE SECHE

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EP 683632 B1 040519
WO 1994017679 940818

APPLICATION (CC, No, Date): EP 94908736 940208; WO 94US1394 940208

PRIORITY (CC, No, Date): US 14773 930208

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RELATED DIVISIONAL NUMBER(S) - PN (AN):

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INTERNATIONAL PATENT CLASS: A24F-047/00

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Available Text	Language	Update	Word Count
CLAIMS B	(English)	200421	634
CLAIMS B	(German)	200421	589
CLAIMS B	(French)	200421	730
SPEC B	(English)	200421	5507
Total word count - document A			0
Total word count - document B			7460
Total word count - documents A + B			7460

DRY POWDER DELIVERY SYSTEM

...SPECIFICATION mechanical structures that are expensive to manufacture
and cannot be incorporated into an elongated tubular **holder** .

Several other devices have been suggested where a single dose of powder
is packaged in a **container** , but there is no provision for a multi-dose
application or prevention of particle agglomeration...

...greater pressure drop in the inhaler device.

Thus, there is a need for an elongated **container** which can be used to
deliver properly-sized dry particles of a therapeutic compound which...

...drawn through the openings 22 and 24 by regulating the composite opening
formed between the **two openings** .

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The device of Fig. 1 was used in a pilot project to determine the efficacy...

...bitartrate either using lactose or cyclodextrin or maltodextrin as carriers. In either lactose or the **two** other **carriers**, different nicotine concentrations ranging from 1-5% were used. Ten puffs were taken for each...

...powder.

The powder was delivered from the jet mill micronizer into a two liter breathing **bag** until enough powder totalling .065 mg. of nicotine was in each **bag**. Each patient inhaled from ten **bags**. About 70-80% of the powder in each **bag** was inhaled, resulting in a total delivery of about .45-.52 mg. to each subject...

...the porous element 56 serves two purposes. First, when the cartridge is stored in a **container** with an oxygen/moisture proof wrapper, the desiccant operates to absorb any moisture in the **container** to prevent the particles embedded in the matrix 58 from agglomerating or sticking to the...

27/3,K/2 (Item 1 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00269506

DRY POWDER DELIVERY SYSTEM

SYSTEME D'ADMINISTRATION DE POUDRE SECHE

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Patent and Priority Information (Country, Number, Date):

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Priority Application: US 9314773 19930208

Designated States:

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AT AU BB BG BR CA CH CZ DE DK ES FI GB HU JP KP KR LK LU MG MN MW NL NO
NZ PL PT RO RU SD SE SK UA AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT
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Publication Language: English

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DRY POWDER DELIVERY SYSTEM

Fulltext Availability:

Detailed Description

Detailed Description

... mechanical structures that
are expensive to manufacture and cannot be
incorporated into an elongated tubular **holder**.

Several other devices have been suggested where

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a single dose of powder is packaged in a **container** ,
but there is no provision for a multi-dose
application or prevention of particle agglomeration...

...greater pressure drop
in the inhaler device.

Thus, there is a need for an elongated
container which can be used to deliver properly
sized dry particles of a therapeutic compound which...drawn through
the openings 22 and 24 by regulating the composite
opening formed between the **two openings** .

The device of Fig. 1 was used in a pilot
project to determine the efficacy...bitartrate either using lactose or
cyclodextrin or maltodextrin as carriers. In either
lactose or the **two other carriers** , different
nicotine concentrations ranging from 1-5% were used.

Ten puffs were taken for each...powder.

The powder was delivered from the jet mill
micronizer into a two liter breathing **bag** until
enough powder totalling .065 mg. of nicotine was in
each **bag** . Each patient inhaled from ten **bags** .

About 70-80% of the powder in each **bag** was inhaled,
resulting in a total delivery of about 45-,52 mg.

to each subject...the porous element
56 serves two purposes. First, when the cartridge
is stored in a **container** with an oxygen/moisture
proof wrapper, the desiccant operates to absorb any
moisture in the **container** to prevent the particles
embedded in the matrix 58 from agglomerating or
sticking to the...

?

Search Report from Ginger R. DeMille

? show files;ds

File 15:ABI/Inform(R) 1971-2004/Sep 24
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 File 16:Gale Group PROMT(R) 1990-2004/Sep 24
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 File 148:Gale Group Trade & Industry DB 1976-2004/Sep 24
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 File 160:Gale Group PROMT(R) 1972-1989
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 File 275:Gale Group Computer DB(TM) 1983-2004/Sep 24
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 File 621:Gale Group New Prod.Annou.(R) 1985-2004/Sep 24
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 File 9:Business & Industry(R) Jul/1994-2004/Sep 23
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 File 20:Dialog Global Reporter 1997-2004/Sep 24
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 File 476:Financial Times Fulltext 1982-2004/Sep 24
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 File 613:PR Newswire 1999-2004/Sep 24
 (c) 2004 PR Newswire Association Inc
 File 634:San Jose Mercury Jun 1985-2004/Sep 23
 (c) 2004 San Jose Mercury News
 File 636:Gale Group Newsletter DB(TM) 1987-2004/Sep 24
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 File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc
 File 13:BAMP 2004/Sep W2
 (c) 2004 The Gale Group
 File 75:TGG Management Contents(R) 86-2004/Sep W2
 (c) 2004 The Gale Group
 File 95:TEME-Technology & Management 1989-2004/Jun W1
 (c) 2004 FIZ TECHNIK

Set	Items	Description
S1	219321	(TWO OR 2 OR SECOND OR PLURALITY) (1W) (AUTOMOBILE? ? OR VEHICLE? ? OR TRUCK? ? OR VANS OR DRIVER? ? OR CARRIER? ? OR HAULER? ? OR CAR OR CARS OR AUTO OR AUTOS)
S2	46259	TOTE OR SATCHEL OR CANVAS() BAG
S3	714668	BAG OR BAGS
S4	1608	(EXPANDABLE? OR STRETCH? OR EXTEND? OR EXTENSIBLE?) (3N) (BAG OR BAGS OR POUCH)
S5	2556732	BOX OR CONTAINER OR HOLDER
S6	436774	LOCK OR PAD() LOCK OR BOLT
S7	50643	(DUAL OR DOUBLE OR TWO OR 2 OR SECOND) () (ENTRY OR ENTRIES - OR SIDED OR OPENING? ?)
S8	276931	S1 OR CONVOY? ?
S9	47497	(DUAL OR DOUBLE OR TWO OR 2 OR SECOND) () (ENTRY OR ENTIRES - OR SIDED OR OPENING? ?)
S10	4880	(S2:S4) (5N) DELIVER?
S11	1	S1 AND S2 AND S4 AND S5 AND S6
S12	43	S1 AND S2 AND (S3 OR S4) AND S5
S13	26	S1 AND (S2:S4) AND S5 AND S7
S14	261	S8 AND (S2:S4) AND S5 AND S6
S15	14	S8(2S) (S2:S4) (2S) S5(2S) S6
S16	140	S8(2S) (S2:S4) (2S) S5

124-Sep-0404:29 PM

Search Report from Ginger R. DeMille

S17 50644 (DUAL OR DOUBLE OR TWO OR 2 OR SECOND) () (ENTRY OR ENTRIES -
OR SIDED OR OPENING? ?)
S18 40 S2(2S) (S2:S4) (2S) S1
S19 2 S1(2S) S17(2S) (S2:S4)
S20 949 (S2:S4) (2S) S5(2S) S6
S21 12 S1(2S) S20
S22 117 S11:S13 OR S15 OR S18:S19 OR S21
S23 65 S22 NOT PY>2000
S24 62 RD (unique items)
? t24/3,k/all

Considered 9/29/07 @ 07

24/3,K/1 (Item 1 from file: 15)
DIALOG(R) File 15:ABI/Inform(R)
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01906753 05-57745

The safest cars on the road

Edgerton, Jerry

Money v28n11 PP: 150-160 Nov 1999

ISSN: 0149-4953 JRNL CODE: MON

WORD COUNT: 2948

...TEXT: be crushed from the front or rear without damaging the passenger compartment. Plus, in a **two - car** collision the laws of physics dictate that the lighter vehicle will almost always sustain more...

... a crash, extra safety equipment can help you avoid an accident and survive one. Anti- **lock** brakes, front air **bags** and other features once found only on expensive models are now standard on most. Other worthwhile features, such as side air **bags** and retracting seat belts, are usually available only on luxury models or as options-which...

... for maximum safety For more on which safety options are worth paying for, see the **box** opposite.

What you should know about your car's history. Even before you consider a ...

24/3,K/2 (Item 2 from file: 15)
DIALOG(R) File 15:ABI/Inform(R)
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01560663 02-11652

Importance of totes recognized

Witt, Clyde E

Material Handling Engineering v53n1 PP: 67-70 Jan 1998

ISSN: 0025-5262 JRNL CODE: MTH

WORD COUNT: 1237

...TEXT: a rod frame around the top rim for durability.

(Photograph Omitted)

Captioned as: Totes that **lock** together or have tilt-out fronts can create custom workstations for manufacturing operations. Photo courtesy...

... A variation on the solid fiberboard material is called chemboard. It is offered exclusively by **Convoy** , Inc. It is a chemically impregnated,

Search Report from Ginger R. DeMille

hardened fiberboard material, not a surface wax application. The...

... with features such as stackability and foldability, and units with bar runners so that the **container** can be placed in pallet racks. With hundreds of "standard" sizes and colors offered by...

24/3,K/3 (Item 3 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01155718 98-05113

Highlights of ITMA: Small-lot capabilities

Isaacs, McAllister III; Rozelle, Walter N; Lennox-Kerr, Peter; Brookstein, David; et al

Textile World v146n1 PP: 58-77 Jan 1996

ISSN: 0040-5213 JRNL CODE: TXW

WORD COUNT: 13141

...TEXT: Fehrer exhibited a number of high-speed needling machines of various geometries for single and **double sided** needling, as well as its needle patterning and velour machines, including:

* NL 3000, in 2... inches-per-minute or feet-per-minute speeds as the needles passed through the cam **box** . Knitters commonly accept speed factor as an equivalent measure.

Monarch showed a machine from its...

... an external cam change system, RDS, which allows cam change without removal of the cam **box** . Additionally, the series has quick-change dial and cylinder, effectively allowing a mill to change...

...the looms for which Tsudakoma is known. TFK has no carriage nor a needle cam **box** ; it does not have a sinker cam system. Instead it has linear motors actuating needles...

... stitch length within a course and data download on-line at 9,600 baud. Using **two carriers** , the CMS 433.6 can knit two parts simultaneously, knitting-in intarsia yarns behind color...machines at the show. Fabrics displayed had an impressive range, from fine laces to filter **bags** and 3-D fabrics. The company also showed the Malimo stitch bonding machines and the ...

...hr).

The Kandler machines are interesting because of what they do. The Superpol unit produces **double - sided** terry from rotor-spun yarns. The Carpet Knit machine is new, producing carpet with jacquard...

24/3,K/4 (Item 4 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

01142789 97-92183

Picking and transporting small parts

Mulcahy, David E

Plant Engineering v50n1 PP: 68-70 Jan 1996

Search Report from Ginger R. DeMille

ISSN: 0032-082X JRNL CODE: PLG

...ABSTRACT: pack station. Transport options available for walking include:
1. aprons, 2. carts with shelves or **tote** -carrying surface, 3. pallet
trucks and 4. shopping carts. Riding options include: 1. burden carriers,
2. pallet **trucks**, 3. lift trucks and 4. pick cars.

24/3,K/5 (Item 5 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01023310 96-72703

Sweet success with source separated feedstocks

Farrell, Molly

BioCycle v36n4 PP: 77-79+ Apr 1995

ISSN: 0276-5055 JRNL CODE: BIO

WORD COUNT: 3257

...TEXT: off the back of the truck. Employee complaints of aching backs led
Booska to retrofit **two trucks** with hydraulically activated dump boxes
and **tote** handling arms.

The haulers have invested significant amounts of time in educating their
customers about...

24/3,K/6 (Item 6 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00985715 96-35108

Berkeley builds an infrastructure

Riggle, David

BioCycle v36n2 PP: 37-40 Feb 1995

ISSN: 0276-5055 JRNL CODE: BIO

WORD COUNT: 1957

...TEXT: pickup program -- the first one in the country -- began in June,
1973. Volunteer workers and **two** leased **trucks** reclaimed about 936 tons
of newspaper in its first 17 months. In the 1980s, when...

... approve payment for the new bins. "When you don't have an education
program or **tote** boxes, participation drops, and it was dropping
steadily," says Barbara Hall, Recycling Program Manager for...

24/3,K/7 (Item 7 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00766892 94-16284

Operating a MRF on campus

Gaski, Stephen K

BioCycle v34n8 PP: 57-59 Aug 1993

ISSN: 0276-5055 JRNL CODE: BIO

WORD COUNT: 1946

Search Report from Ginger R. DeMille

...TEXT: offices and the other for dorms--were adopted. Miami University Recycles picks up materials in **two trucks**. Every morning, a driver collects from all of the 32 academic and administrative buildings. Since...

... paper, newspaper, beverage cans, plastic and glass in stacked bins located next to the trash **container** in each corridor. Sixteen buildings are serviced three times a week; eighteen buildings twice a...

... likely can be attributed to waste avoidance due to electronic mail and other computer advances, **double - sided** copy printing and budget cuts.

Cardboard. The majority of the cardboard is collected from special is picked up at no cost to the university--other than **container** rental--by the solid waste contractor. It is transported to the contractor's recycling center...

...yard waste and manure in the first six months.

Plastics and Miscellaneous Materials. Approximately 40 **bags** of polystyrene are processed on a daily basis at the Shriver Center, most generated on...

24/3,K/8 (Item 8 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00762364 94-11756

The gay nineties

Adams, Michael

Incentive v167n9 PP: 58-62 Sep 1993

ISSN: 1042-5195 JRNL CODE: IMK

WORD COUNT: 2938

...TEXT: couple, who proceed to spread out a blanket, strip to their Speedos and unpack their **tote bags**, which contain a modest picnic lunch, paperback books--and a large bottle of Evian.

Silence... the information through an article in the company newsletter explaining the policy and its implications.

2 . Create **vehicles** for the handling of problems regarding gay men and lesbians. Is there any awareness training...can be enormous."

For a free sample of Working It Out, write to P.O. **Box** 2079, New York, NY 10108, or call (212)769-2384; FAX(212)721-2680.

Michael...

24/3,K/9 (Item 9 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00723668 93-72889

Your Next Car May Not Be a Car

Anonymous

Agency Sales Magazine v22n2 PP: 29-31 Feb 1992

Search Report from Ginger R. DeMille

ISSN: 0162-3656 JRNL CODE: AGE
WORD COUNT: 1587

...TEXT: client, I saw the president leave driving a van. I thought it might be his **second car** and I asked the sales manager for the story. He told me that it was not his **second car**, that he no longer drove the 'boat' he had been driving and had switched to...

...sedans he had been driving. "I'm not one of those agents who has to **tote** around a lot of samples and product literature. So, from a practical perspective, I didn...

24/3,K/10 (Item 10 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00651822 93-01043

How to Get Your Best Deal on Wheels

Edgerton, Jerry

Money v21n12 PP: 126-138 Dec 1992

ISSN: 0149-4953 JRNL CODE: MON

WORD COUNT: 3128

...TEXT: with at least a driver's air bag and about half of them offer anti- **lock** brakes. (When passenger air bags are available as options, the cost \$500 to \$700; when anti- **lock** brakes are option, they range from \$500 to \$1000.) Such safety technology is still fairly...

... new and redesigned cars into a fixed barrier at 35 mph--approximating the force of **two** identical **cars** hitting head on at 35 mph. The agency then measures the probable head, chest and...

...For a summary of the results, send a stamped, self-addressed envelope to Safer Cars, **Box** 1420 Arlington, VA. 22210.

Search Report from Ginger R. DeMille

24/3,K/15 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

03409035 Supplier Number: 44740197 (USE FORMAT 7 FOR FULLTEXT)
Anchorage, Shippers to File Rate Complaint
Traffic World, p28
June 6, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 299

... a recent rate hike proposal on household goods but that petition officially ended when the **two carriers** withdrew their proposals.

'We're going to exercise every legal right to obtain a redress...

...by (last) Friday.'

The complaint is expected also to charge that both Sea-Land and **Tote** are discriminating against the Alaska shippers because the per-mile rate for shipments is much...

...household goods shippers withdrew their plans to support the formal complaint after Sea-Land and **Tote** withdrew their rate proposals and reportedly were replaced by some other Alaska shippers.

The City...

24/3,K/16 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

03384616 Supplier Number: 44698466 (USE FORMAT 7 FOR FULLTEXT)
Sea-Land, Totem suddenly withdraw plans to hike Alaska rates after shipper challenge
Traffic World, p26
May 23, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 471

... said William Blessington, business development manager for the Port of Anchorage.

'The fact that the **two carriers** withdrew their plans to raise their rates on household goods doesn't negate the fact...

...initial plans to investigate the total rate structure in Alaska,' Blessington said.

Sea-Land and **Tote** dropped their proposal to raise rates 5 percent northbound and 10 percent southbound on household goods that generally move from Tacoma, Wash., to the Port of Anchorage. The **two carriers** withdrew their bids to raise rates on May 12 as the shippers were formally appealing ...

24/3,K/17 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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Search Report from Ginger R. DeMille

03355468 Supplier Number: 44648883 (USE FORMAT 7 FOR FULLTEXT)
Anchorage, 13 Alaska shippers ask ICC to suspend Sea-Land, TOTE rate increases
Traffic World, p12
May 2, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1023

... development manager for the Port of Anchorage. 'Shippers in Alaska are being gouged because the **two carriers** have raised their rates annually or sometimes twice a year since 1976.'

'Sea-Land believes...

...to 10 percent general rate increase that took effect in January, said Leonard H. Shapiro, **TOTE** 's vice president/pricing. 'Household goods are not the issues,' Shapiro asserted, 'because those rates...

...The port launched its own probe into the rate structure in the trade after the **two carriers** operating between Alaska and the Pacific Northwest refused to roll back a general rate increase...
...unwarranted profits are being extracted due to the lack of competition' because Sea-Land and **TOTE** control the market's pricing structure.
'The disparity between Sea-Land's Alaska rates and...

...percent of those in Alaska,' Blessington said. The two separate petitions against Sea-Land and **TOTE** filed with the ICC April 15 were 'the first major challenge to the rate structure...

24/3,K/18 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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03125547 Supplier Number: 44262833 (USE FORMAT 7 FOR FULLTEXT)
Dunkin' Donuts Offers Wake-Up Call
Promo, v0, n0, p78
Dec, 1993
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 448

... can send in their stickers plus a nominal fee for Dunkin' Donuts gear including hats, **tote bags**, umbrellas and T-shirts. Merchandise catalogs, available at store counters, provide information about how many ...

...to discounts on weekend getaways valued at \$200, which include accommodations for two adults and **two** children, **car** rental upgrades and greens fees at hotels and resorts in Washington, Anaheim, Niagara Falls, Cape...

24/3,K/19 (Item 9 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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02939425 Supplier Number: 43974811 (USE FORMAT 7 FOR FULLTEXT)

MY CAR ONE? A PROWLER, BUT CAR TWO'S A TOUGH CHOICE

AutoWeek, p10

July 19, 1993

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 753

... procedure.

Clearly I would have to revert to a previous philosophy of car management: have **two** specialty **cars** instead of one generalist. That approach was originally dictated by my house - a perch on...

...Rover after a dozen Vermont winters) I entered my 'combo' phase. A Subaru Brat could **tote** Stuff, make the hill, and whisk - well, sort of whisk me to N.Y.C...

...But then the Prowler crept into my covetous ken.

So it's time for a **second car** again. Car **Two** : Stuff- **hauler** , skiing-goer, etc. Never mind I don't have Car One yet. (Nothing restrictively linear...

24/3,K/20 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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12144511 SUPPLIER NUMBER: 61642844 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The World Travelers' INTERCOM.(traveler alerts)

International Travel News, 23, 11, 16

Jan, 1999

ISSN: 0191-8761 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 19162 LINE COUNT: 01394

... by Henry Holt & Co. in New York). It can be purchased through Magellan's World (**Box** 5485, Santa Barbara, CA 93150-5485).

We were only able to take "Walking Tour One...of Congress.

Some trivia -- we learned where "toeing the line" and "it's in the **bag** " came from. If you're invited to pay and join a guided tour, do so... Damascus from the U.S. and a later entry from Turkey, so I had specified **two entries** . (The day trip to Lebanon was covered by the tour group visa.)

Although the group...a later date. Had we known that, we would have requested him to ensure a **double - entry** visa into Syria.

Given the sensitive state of the Middle Eastern borders and the fact ...

...flights in early 1998, I was hassled all three times and in one instance my **bag** was taken from me after I boarded the airplane. I would advise anyone needing to...

...ITN called Scandinavian Airlines and was told that each passenger is allowed one carry-on **bag** weighing no more than 18 pounds and with dimensions (length, width and height) adding up...

...miles to both of their AAdvantage accounts. -- Patricia L. Lemker, Executive Office Manager, American Airlines, **Box** 619612, MD 2400, Dallas / Ft. Worth Airport, TX 75261"

...and smoothing any little problem that arose. His English is

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excellent.

We also loved our **two drivers** , who were so friendly and helpful, and Dr. Judith Lerner gave us excellent lectures and...in Dublin, Ireland.

I felt a tug on the strap around my neck and my **bag** got lighter. I turned and confronted the person, who was a highly pierced, young, blond...

...know how many people are involved.

She had gotten into the inner part of my **bag** and stolen my wallet (containing my credit card, driver's license, insurance cards and American ...

...faster. I filled out the two forms and put them and the photos in a **box** . About 1 1/2 hours later they called me up to the counter. On the...the victim reached behind, the partner thief (or perhaps the thief himself) would grab the **bag** from in front and run.

On my "belly pack," I had made a few improvements...

...my film out of the boxes and containers and put it in a zip-lock **bag** and present that to the person at the security check, asking (and sometimes pleading) nicely...

...away from the area and then he just ran the film through without my lead **bag** ! As I did not want to damage the film further (having three more security checks...

...could see a faint blue haze on many of my pictures. As for the lead **bags** , I read that they offer only 50% protection and that the security people up the...the Hilton and the Matthias Temple. For a modest flat fee, you're issued a **bag** of croutons, a sommelier's tasting cup and a brochure and given complete freedom in...

...and sparkling clean. Attendants' booths are in oak and brass. The trains are still just **two cars** , as originally planned, and, while new and comfortable, make one feel one is in a...I went on a small, 6-person tour to Bali and Thailand through Global Tours (**Box** 4503, Burlingame, CA 94011-4503; phone 800/321-7798 or 650/685-3838, or e...arrived at the hotel, I went in to register while my friend saw to the **bags** . After we settled in our lovely room, she told me that Carlos, our driver, had...

24/3,K/21 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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12118538 SUPPLIER NUMBER: 59544620 (USE FORMAT 7 OR 9 FOR FULL TEXT)
minneapolis market preview.

Gifts & Decorative Accessories, 100, 7, 66
July, 1999

ISSN: 0016-9889 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 4596 LINE COUNT: 00405

... one item from a full line of accessories. All items come in a colored gift **box** .

Circle #210

INTRADA

Distinctive INTRADA Italian ceramic tabletop and decorative accessories. All the ceramic pieces...is entirely painted by hand & guaranteed to have no stencils or decals. The "Original Limoges **Box** ".

Circle #222

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Europa Imports
Showroom Green 474
(800) 383-0291
Email: europaine@earthlink.com
EUROPA...

...UPPER DECK

Our most popular wooden pickup truck! This 26" x 12" x 9 1/2 " **truck** has an authentic distressed antique finish. You'll find a wide variety of antique reproduction...COUNTRY

Beautiful collection of Loon designs from Simply Country, available in a tapestry throw, pillow, **tote**, placemat, wallhanging, tablerunner, and wood products with tapestry inserts.

Circle #283
Malmborg & You!
Showroom Red...yet so very hot!
Circle: #287

BLUE MOUNTAIN ARTS, INC.

New! handmade Gift Books & Gift **Bags** ! Also: Notecards, Mugs, Prints, Bookmarks & Calendars for ALL Occasions! Come visit us at Gift Street...

24/3,K/22 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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10406721 SUPPLIER NUMBER: 21033749 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Two sedans with a sporty soul. (Volkswagen Passat GLS and Ford SVT

Contour) (includes related articles) (Evaluation)

Ruff, Marcia

Medical Economics, v75, n12, p82(5)

June 29, 1998

DOCUMENT TYPE: Evaluation ISSN: 0025-7206 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2581 LINE COUNT: 00193

...ABSTRACT: the German model. Its safety package is state of the art with side-impact air **bags**, seat belts, daytime running lights and anti-lock braking system. It is powered with a...

... I have to ferry my daughter's bas-relief map of Ecuador to school and **two** cat- **carriers** to the vet - not to mention the usual groceries, school chums, and dry cleaning. Sad to say, a Porsche won't do.

Fortunately, there are sport sedans that **tote** that bale while still making me smile. Two of the best 1998s - the Volkswagen Passat...

...fast.

The safety package features several items uncommon to this class, including side-impact air **bags** for the front seats and pretensioning seat belts that tighten more effectively on impact. Anti...equation, the new Ford doesn't offer the practicality of its German rival. Although the **two cars** are almost identical in length, the three-inch-taller Passat is much roomier inside, particularly...

...But the new Ford lacks some items found on the Volkswagen, such as side air **bags**, traction control, and heated seats.

Production of the SVT Contour won't exceed 5,000...computerized design process that Chrysler says will produce good power plants right out of the **box**. The proof of that will have to come on the road over the next year...

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24/3,K/23 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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09209376 SUPPLIER NUMBER: 18986113 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Warehouse & store equipment. (1997 Who Makes It) (Buyers Guide)

Home Improvement Market, v233, n12, p145(4)

Dec, 1996

DOCUMENT TYPE: Buyers Guide ISSN: 0162-5896 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 4479 LINE COUNT: 00352

... 1 Pocket knives 2 Rules tapes & yardsticks 3 Unclassified

The Adcap Line - 3 (caps/aprons/ **tote bags** /roll **bags**) Bluegrass
Sales - 3 (caps, t-shirts, jackets, key chains, mugs) Camillus Cutlery Co -
1, 3...

...Dropcloth Co/The Adcap Line - 3 (painters' caps & nail aprons) Mutual
Industries - 3 (aprons, caps, **tote bags** & roll **bags**) Seal-O-Matic Co
- 1, 3 STANLEY TOOLS - 2, 3 (APRONS, STANLEY & CUSTOM) L S...3 Travel Caddy
Inc - 1

OFFICE PARTITIONS Hufcor Inc (operable)

PACKAGING EQUIPMENT AND ACCESSORIES 1 **Bags** , plastic 2 Boxes, plastic
3 Carton sealing tape 4 Hanging tabs 5 Packaging design, custom...

...Skin, blister & shrink packaging supplies 11 Tying twines 12
Unclassified

Anchor Continental Inc. - 7 Associated **Bag** Co - 1, 3, 6, 7, 8, 10,
12 (corrugated shipping boxes) Cellofoan North America Inc...TAPE AND LABEL
DISPENSERS Empire Mercantile Corp Seal-O-Matic Co

STORE EQUIPMENT, HIGH SHELF **BOX** OR CAN RETRIEVER OR REACHER GRAB-IT
ENTERPRIZES Suction Cups Inc

STORE EQUIPMENT: OPENERS 1...

...1 American Safety Razor Co - 1 HYDE MFG CO - 2 Indyme Electronics Inc -
3 (call **box** sys. & belt pagers) Listo Pencil Corp - 1 Seal-O-Matic Co - 1
Spectrum Razor Tools...13 (magnetic signs), 15 (open/closed signs) Triex
Group Inc - 5, 16 (photoluminescent)

STORE SUPPLIES: **BAGS** AND WRAPPING 1 **Bags** , plastic 2 Paper cutters

Associated **Bag** Co - 1 United States Lock & Hardware Co - 2 (roll
type)

STORE SUPPLIES, BRUSH PEN MARKING **Bag** Co - 5 Clark Caster Co - 1
Edgerco - 2 Equipto - 2 Fab-Master Corp - 2 (stacking...

...press wood & plastic) Modern Equipment Co Inc - 2, 4 Newman Design Group
- 2 North American **Container** Corp - 1 Organize-It-All Inc - 3 Penco
Products Inc - 2 Rapid Rack Industries Inc...

...King Industries Inc - 2 (roll-formed, structural channel & tubular)

WAREHOUSE POWER EQUIPMENT 1 Lift trucks 2 Pallet **trucks** 3 Sweepers

C.I.M. Industrial Machinery Inc - 1 (fork lit, all fuels), 3 (gas...

24/3,K/24 (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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09209375 SUPPLIER NUMBER: 18986112 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Search Report from Ginger R. DeMille

Tools, hand & power. (1997 Who Makes It) (Buyers Guide)

Home Improvement Market, v233, n12, p113(25)

Dec, 1996

DOCUMENT TYPE: Buyers Guide ISSN: 0162-5896 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 34097 LINE COUNT: 02400

... The Rival Co - 1 Shindaiwa Inc - 2 (hand-held) 5010 Inc - 2
Vandermolen Corp - 2

BOX STRAPPING AND BANDING

1 Strapping & band breakers 2 Strapping machines 3 Strapping,
non-metallic 4...

...5 (cutters) Seal(>Matic Co - 1, 3, 5 3-G's Nail-Pah - 4

BOXES, TOTE

1 Plastic 2 Steel

Akro-Mils Inc - 1 C R Daniels Inc - 1 Delta Consolidated...

...Corp - 1 KLEIN TOOLS INC - 2 Nev-Rust Tool-Tainer Inc -1 (10 gal.
service **box**) Waterloo Industries Inc - 1, 2

BRANDING TOOLS

Wall Lenk Corp (electric)

BRUSHES, CARBON REMOVING

Osborn...

...General Tool Mfg Co Inc (a so for planes) Land, Air & Sea Tool Corp

CHISELS, BOX

Fuller Tool Corp Warren Tool Group

CHISELS: MASONRY CUTTING

1 Brick & wall 2 Bull point...AND INDUSTRIAL

1 Attachments, shop 2 Dust collectors 3 Home workshop, garage, etc. 4

Industrial, **bag** 5 Industrial, canister 6 Industrial wet & dry pick-up

Black & Decker (U.S.) Power Tools...Megnus Industries Inc New York

Twist Drill UEI

DRILL BITS: SPECIAL PURPOSE

1 Bell hangers 2 **Car** 3 Center 4 Electricians' 5 Glass & tile
drilling 6 Multi-step 7 Tapered for enlarging...mortar tubs) True Temper
Hardware - 1, 2 UnionTools- 1, 2

NAIL SUNDRIES

1 Aprons 2 **Bags**, belt 3 Claws & grabs 4 Pullers 5 Sets

Ace Drop Cloth Co - 1 (also paper...8 CRC Industries/Sta-Lube - 9 De
Errick Inc - 4, 10, 14 Disston - 11 (file **holder**) Dremel - 11 Eze Lap
Diamond Products - 11 Fluoramics Inc - 9 Gasket's Inc - 6, 12...2 Trimtramp
Ltd - 4, 7 (router kit) Vermont American Tool co - 2 Wolfcraft Inc - 2 (
box joint, dovetail) Woodstock International Inc - 1

POWER SANDERS: ALSO SANDER-POLISHER-STRIPPER-COMBOS 1 Sander...

Cordless electric 3 Electric, portable 4 Frame & trim, portable 5 Masonry &
concrete cutting 6 Mitre **box** or chop 7 Panel 8 Pneumatic, portable 9

Radial arm, electric 10 Table, electric

A...4 Wright Tool Co - 4

PUSH DRILL POINTS BEST WAY TOOLS

RAILWAY CAR ACCESSORIES 1 **Box** car door pullers Lug-All Co - 1

RAILWAY TRACK AND BED TOOLS 1 Forks, stone...of America Corp Trail

Blzaer Outdoor Quality Products

SAWS: GENERAL WOOD CUTTING 1 Back & mitre **box** 2 Compass & keyhole 3
coping & jig 4 Hand rip, cross cut, etc. 5 Nest of...1 Stackbin Corp - 2, 3

SOCKET HEAD SCREW KEYS EKLIND TOOL CO

SOLDER 1 Aluminum 2 **Auto** body 3 Bar, wire & pig 4 Brazing 5

Search Report from Ginger R. DeMille

Brush-on 6 Lead bars 7 Lead...Inc - 2 (saws) Tile EZ USA Inc- 2
TONGS, PIPE, CHAIN Armstrong Tools Inc
TOOLS: **BAGS** , BOZES, CHESTS, ETC. 1 **Bags** or rolls 2 Boxes 3 Boxes,
job site 4 Cabinets, on casters 5 Caddies & organizers...

...Inc - 2, 4, 7 Armstrong Tools Inc - 4 Atchison Leather Products Co - 1
(leather & canvass **bags**) Bon Tool Co - 1, 3 Clarke Products Inc - 2
Cluthe Industries Ltd - 2 (plastic) Contico...TOOLS INC - 2 (TOOL BUX), 4,
6, 7 Lasko Metal Products Inc - 2 (combination tool **box** , step stoll &
power outlet) Leaktite Corp - 5 Maidware Products Inc - 5 MasterBrand
Industries Inc - 2...

...2, 6 Morgan Metal Fabricators - 2 (contractors') Mutual Dropcloth Co/The
Adcap Line - 1 (canvas **bags**) Palm Beach Plastics Inc - 3 (permit & plan
box for contractors) Partek Inc - 5 Petersen Products Co - 2 Plano Molding
Co - 2 (high impact plastic) Prtable Products Inc - 1, 5 Randy Tool Co - 1
(mason's **bags**) The Ridge Tool Co - 2 Rubbermaid - 5 Rubbermaid Commercial
Products Inc - 2 Rubbermaid Inc Home...McGuire-Nicholas Mfg Co - 1
(canvas), 3 Mutual Dropcloth Co/The Adcap Line - 1 MutuaMndustries - 2
Newark **Auto** Products - 5 Nordic Forge Inc 3 (farriers) Oklahoma Leather
Products Inc - 2 Omni Manufacturing - 2...MACHINERY CO - 1 Wilde Tool Co
Inc - 1 Zomax Industries Ltd - 1

WRENCH SETS 1 **Box** 2 Combination **box** & open end 3 Flare nut 4 Hex
key 5 Ignition 6 Open end 7 Socket...

...Inc Vermont American Tool Co Wilde Tool Co Inc Xcelite - CooperTools
Zomax Industries Ltd

WRENCHES: **BOX** , OPEN END, SOCKET 1 **Box** 2 **Box** , adjustable 3 **Box** ,
ratchet 4 Combination **box** & open end 5 Combination flexible socket & open
end 6 Engineers'& machinists' 7 Open end 8...

24/3,K/25 (Item 6 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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09209374 SUPPLIER NUMBER: 18986111 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Specialty products. (1997 Who Makes It) (Buyers Guide)
Home Improvement Market, v233, n12, p108(3)
Dec, 1996
DOCUMENT TYPE: Buyers Guide ISSN: 0162-5896 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3632 LINE COUNT: 00278

... Inc (elec. color wheel) Great Western Trading Co Inc (gifts) Mikasa
Noma Christmas RC Co (**bag** & candle luminarias)
CHRISTMAS SNOW, ARTIFICIAL Union Wadding Co
CHRISTMAS STOCKINGS Kurt S Adler Inc/Santa...

...Co Gary Products Group Inc (hooks)
CHRISTMAS TREE: ACCESSORIES 1 Balers & netting 2 Clean up **bags** 3
Holders & stands 4 Mats 5 Preservatives 6 Skirts
Kurt S Adler Inc/Santa's...

...Leather Products Co (leather) Atlantic Specialty Co Inc
LUGGAGE: SPECIALTY 1 Club or sportsmen's **bags** 2 Duffel **bags** 3 Gym
bags 4 **Tote** **bags** 5 Travel organizers
Algoma Net Co - 1, 2, 3, 4 American Apron - 4 Atchison Leather...

Search Report from Ginger R. DeMille

...3, 4 Markwort Sporting Goods Co - 2 Olympia Sports - 2, 3
LUGGAGE: TRAVEL 1 Traveling **bags** , hang-up 2 Traveling **bags** , hard &
soft 3 Unclassified
Algoma Net Co - 2 Atchison Leather Products Co - 2 (soft, designer...

...SUPPLS.: CAT 1 Cat claw clippers 2 Cat feeders 3 Cat litter 4 Cat litter
box sprays 5 Cat litter trays or pans 6 Cat scratching posts 7 Catnip 8
Unclassified...Cadie Products Corp - 1 (cleaning cloths)
RECORDED TAPE AND DISC ACCESSORIES 1 Cabinets & boxes, storage 2
Carriers 3 Racks, storage
Development Workshop Inc - 1 (cases) Huntwood Industries - 1 Kool Pak
- 2 Lomak...

24/3,K/26 (Item 7 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

08124425 SUPPLIER NUMBER: 17389671 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Plastics technology: manufacturing handbook & buyers' guide 1995/96. (Buyers
Guide)**
Plastics Technology, v41, n8, pCOV(941)
August, 1995
DOCUMENT TYPE: Buyers Guide ISSN: 0032-1257 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 174436 LINE COUNT: 15187

... diameter control. Max. cooling capacity with HMW-HDPE is 30 lb/in.
of die circumference. **Bag** machines include three-and four-track t-shirt
models, processing up to 80-in. webs...

...From Plastimac of Italy: complete blown film extrusion systems for HDPE,
LLDPE, and LDPE. Multiline **bag** -making machines for T-shirts, patch-handle
bags , and conventional **bags** with in-line or off-line printing up to six
colors.

Also cast stretch-film...pipe with patented corrugators and dual-wall
tooling systems; blown film systems with in-line **bag** -making and
converting equipment coupled with automatic packaging; and scrap reclaim
and pelletizing systems. Custom...as screws, screen changers, oscillators,
low-pressure dies, top-nip assemblies, winders, bubble-sizing equipment,
dual - sided treater stations, extruders, and control panels. Saturn
dual-lip, low-pressure air rings for 1...1/2-and 2-in sizes. Also
horizontal extruders from 3/4 to 4 1/ 2 in. with 24:1 L/D.

Benchtop horizontal extruders on a heavy-duty, casted base...
systems, optional coextrusion capability, automatic roll changing, computer
controls, printers, slit-sealers, corona treaters, and **bag** makers.
Extrusion laminating systems also available.

TOSHIBA MACHINE CO., AMERICA

Corotating twin screws for compounding...post-gusseting and
slit-sealing, sideweld, bottom-seal, twin-seal, sine-wave, and "T-shirt"
bags .

WAYNE MACHINE & DIE CO.

Yellow Jacket line of custom-built single-screw extruders ranges from
...

...gearboxes with shaved, ground and hardened gears instead of worm or
enveloping worm gearboxes. Helical **box** is said to be more efficient than

Search Report from Ginger R. DeMille

the worm type, resulting in better power transfer...24 in. wide available with solid helical cutters for lower noise levels, or with conventional **bolt** -on knives. Dicers can make "octapellets" or cubes. Motors for pelletizers and dicers can be...and tape.

BARON AUTOCLAVE CORP.

Prewired and pretested autoclaves for bonding and curing composites. Breech- **lock** , quick-opening door requires 60 sec to open or close. Features include heavy-duty door...assist trigger control. Can be converted from chopper gun to gelcoater with removal of one **bolt** and change of tip. Chopper-gun mount has a swivel for instant alignment of glass...

...mold and delivers 3 to 23 lb/min. Catalyst is safely used directly from shipping **container** , and is pumped through a reportedly easy-to-maintain pumping system. Systems can be stationary...1 ratio pump suitable for tooling gelcoat and for multiple colors. In 2-qt or 2 -gal sizes.

Also fiberglass spray-up systems and RTM and polyester putty machines.

STOUGHTON COMPOSITES...high-viscosity mixing. Specializes in custom mixing equipment with ancillary equipment such as load cells, **bag** dump, and dust control.

Also ball mills for production and laboratory applications.

ACRISON, INC.

Model...

...See ad p. 328.)

AMERICAN BARMAG CORP.

Distributes Mixaco mixing equipment, from universal mixers to **container** mixers and high-speed heating/cooling mixers.

AMERICAN LEISTRITZ EXTRUDER CORP.

Corotating and counterrotating twin...1/3-hp mini-tumbler accepts 5-gal pails and up to 36 lb per **holder** . Larger twin-drum tumblers with 1 1/2-hp motors handle 30- or 55-gal drums and up to 280 lb per. **holder** . Also offers space-saving, single-drum corner unit. Most units available with low-cost chain...

...speed blending, Hurricane large-capacity mixers mix 350 or 850 lb in 15 min. Platforms, **bag** breakers, and air takeoff available. (See ads pp. 22, 315.)

INCOE CORP.

Two models of...while the horizontal opposing blades force material from the upper and lower areas of the **container** inside the head. Leading edge of lower horizontal blade scrapes bottom of the **container** to bring all settled particles into the head. The ring prevents damage to the blades and puncturing of **container** walls.

Mixers operate with both electric and air-driven chucked power tools and fit all...

...twin-screw counter- or corotating extruder has change lever at the side of the gear **box** , segmented screw, and block cylinder. Sizes to 305-mm diam. Largest unit, Tex 305, has 8000-hp gear **box** and output of 44,000 lb/hr. (See data sheets pp. 105-107.)

K-TRON...Impellers are wear-edged for long life and held in place by a fast-acting **lock** nut, which makes them easy to remove. Widely used in rigid and flexible PVC compounding...

...transported, blended, and subsequently stored. Blender is an electrically powered cage into which the filled **container** is loaded. Offset axis of rotation causes a complex pattern of particle movement within the **container** .

Search Report from Ginger R. DeMille

World Mining Equipment, v18, n3, pII(2)

March, 1994

ISSN: 0746-729X

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 18305

LINE COUNT: 01476

... be mounted on a vehicle and used as a mobile unit in combination with a **container** for the material to be thrown.

Figure 2 shows the high-speed belt stowing machine...5 m diameter concrete hopper is closed by means of a steel construction with only **two openings**, which are fitted with a frame including a needle gate followed by two guide chutes...hour. At such high capacities the design of the feed hopper allowing simultaneous dumping of **two trucks** is of importance. Another important design parameter for a direct fed crushing plant is a sufficiently large rock **box** below the crusher. Some operations have such an effective rock

Moving materials

Weser Engineering

Founded...bed technique Belt conveyor systems; Wagon loading/unloading installations; Bin and silo installations; Bagging and **bag** loading systems; Coaling plants; Port handling systems; Material blending systems; Plough feeders; Stackers, scraper reclaimers...

24/3,K/29 (Item 10 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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06183304 SUPPLIER NUMBER: 12861235 (USE FORMAT 7 OR 9 FOR FULL TEXT)

How to buy the greatest safety for your money. (purchasing an automobile)

(includes related article on crashworthiness)

Edgerton, Jerry

Money, v21, n12, p128(2)

Dec, 1992

ISSN: 0149-4953

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 954

LINE COUNT: 00076

24/3,K/30 (Item 11 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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05911558 SUPPLIER NUMBER: 12437817 (USE FORMAT 7 OR 9 FOR FULL TEXT)

'93 Probe's got a better idea. (Ford Probe has new styling, optional V-6 engine)

Lowell, Jon

Ward's Auto World, v28, n6, p60(1)

June, 1992

ISSN: 0043-0315

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 964

LINE COUNT: 00070

... concede they have some tricky times ahead as they continue to try and keep the **two cars** from colliding with each other in the showroom before venturing into an already crowded market...

24/3,K/31 (Item 12 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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Search Report from Ginger R. DeMille

05831064 SUPPLIER NUMBER: 12099639 (USE FORMAT 7 OR 9 FOR FULL TEXT)

World airline directory. (Directory)

Hamill, Tom; Sarsfield, Kate

Flight International, v141, n4311, p29(69)

March 25, 1992

DOCUMENT TYPE: Directory

ISSN: 0015-3710

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 102971

LINE COUNT: 08694

... 3, one Cessna 402C, one Beech C-45.

Employees: 300.

Head Office: Hidalgo 400A, PO Box 555, La Paz, Baja California Sur, Mexico.

Tel: +52 (682) 22109. Telex: 52237 EASAME.

Aerocancun...Djakarta resumed in July 1990. The agreement with the USA allows for operations by several **carriers** from each side. Aeroflot may now fly to Miami, Chicago, San Francisco and Anchorage, the...From its Caracas hub, weekly flights are operated to the USA (four entry points), Mexico (**two** entry points), Europe (three entry points), Canada (**two** entry points) Panama, Nicaragua, Cuba, Trinidad. The carrier also performs a sub-service for four airlines...

...Jose Urbina; general manager, Dr Roberto Polit.

Employees: 104.

Head Office: Aeropuerto Simon Bolivar, PO Box 4113, Guayaquil, Ecuador.

Tel: +1 (593) 394 490. Telex: 04-3228.

Aerolineas Pacifico Atlantico (Aeroperlas...

...marketing and sales, Juan Tarte; chief pilot, Capt William Kober.

Employee: 70.

Head Office: PO Box 6-3596, El Dorado, Panama, Republic of Panama.

Tel: +507 (63) 5363, +507 (69) 4555...of transport, general manager, J Rocha; marketing director, R Silva.

Employees: 450.

Head Office: PO Box 3688, Contiguo Aeropuerto International, Managua, Nicaragua.

Tel: +505 (2) 31801. Telex: 1242.

Aeron International Airlines...Aeropuerto La Aurora, Guatemala City, Guatemala.

Tel: +502 (2) 522 325686/319663/347935. Fax: +502 (2) 522 32568.

Telex: 5010 AEROVIAGO.

Aerovias Colombias (ARCA Colombia) operates regular freight charter services from...

...Samuriwo; personnel, R Nesbit; financial, O Maphosa.

Employees: 270.

Head Office: Harare International Airport, PO Box 655, Harare, Zimbabwe.

Tel: +263 (4) 731781/9. Fax: +263 (4) 731706. Telex: 40005 ZW...

...Executives: CEO, Capt Musa Bulham; operations director, Capt Ian Cowie.

Employees: 42.

Head office: PO Box 74772, Nairobi, Kenya.

Tel: +254 (2) 501319/501360. Fax: +254 (2) 506101.

African International Airways...A J Stocks; B J Keay; (Swaziland) T M Longmore.

Employees: 40.

Head Office: PO Box 2117, Mbabane, Swaziland.

Search Report from Ginger R. DeMille

...John Melad; traffic, Alfonse Vakele; technical, Moekets Matli.
Employees: 160.
Head Office: Mejametalana Airport, PO **Box** 861, Maseau, Lesotho.
Tel: +266 312453. Fax: +266 310126. Telex: 4347 LESAIR LO/4440 LO...

...commercial activities, David A Jardine; financial comtroller, Cleveland Seaforth.

Employees: 1,070.
Head Office: PO **Box** 819, V C Bird International Airport, Antigua, West Indies.
Tel: +1 809 (462) 0700. Fax...

...and Africa.

Fleet: two McDonnell Douglas DC-8-50F, one DC-4.
Head Office: PO **Box** 145, Macars House, Monrovia, Liberia.
Tel: +231 80702. Fax: +231 802809
Lina Congo (Lignes Nationales...

...admin, Alexandre Bayonne; flight operations, Placide Okournou; technical, Ange Yengo.

Employees: 250.
Head Office: PO **Box** 2203, Brazzaville, Republic of the Congo.
Tel. +242 (813) 065/6. Telex: 5243 LINCONGO KG...Aviacao Ligeria,
Mario de Oliveira.

Employees: 5,770.
Head Office: Rua da Missao 123, PO **Box** 79, Luanda RP, Angola.
Tel: +244 332990. Telex: 3285.
Linhas Aereas de Mocambique (LAM) operates...finance, Bjorn Sunden; airline planning, Jan Ake Jonsson.

Employees: 2,200.
Head Office: Arlanda Flygplats, **Box** 550, S-19045 Stockholm-Arlanda, Sweden.
Tel +46 (8) 797 5000. Fax. +46 (8) 760...

...Carlos Barrero; operations, Capt Arturo Galindo.

Employees: 1,705.
Head Office: Aeropuerto Jorge Wilstermann, PO **Box** 132, Cochabamba, Bolivia.
Tel: +591 (42) 50738. Fax: +591 (42) 50766. Telex: 6290 BV.
Loganair...

24/3,K/32 (Item 13 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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05431295 SUPPLIER NUMBER: 11101388 (USE FORMAT 7 OR 9 FOR FULL TEXT)
TOTE, Matson & Crowley feel crowded. (niche players in domestic offshore trades)

Knee, Richard

American Shipper, v33, n8, p75(3)

August, 1991

ISSN: 0160-225X

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 2066

LINE COUNT: 00158

... marketing and public relations.

What is more, Crowley does not really compete with the other two

Search Report from Ginger R. DeMille

carriers but concentrates instead on bulk shipments of food and chemicals, building supplies and automobiles, Simpson...

...Quarter Disappoints. First-quarter traffic in the Alaska trade fell short of Sea-Lands and **TOTE** 's expectations, according to Glenn and Trout. Sea-Land expected its volume to grow by...

24/3,K/33 (Item 14 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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04513531 SUPPLIER NUMBER: 08304303 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Abuse of power. (part one) (Gulf Power Co.; Jake Horton)

Willson, Elizabeth

Florida Trend, v32, n9, p58(10)

Jan, 1990

DOCUMENT TYPE: biography

ISSN: 0015-4326

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 8048 LINE COUNT: 00617

... Auburn University ring and placed them on a wooden ledge before tending to his colostomy **bag**. In his haste, he forgot, as he occasionally did, to put the rings back on...

...the colostomy, including several books of matches that he burned to dissipate odors from the **bag**. He apparently placed one of his old T-shirts and gear he needed for his nightly spit-shine routine into a **tote bag**. The shirt went into a light-weight garment **bag**.

From their conversation, Mrs. Horton expected her husband to return home in time to watch...

...Gulf Power's ramp. A light rain was still falling as Horton unloaded the garment **bag** and small suitcase. Returning to his car, he picked up the **tote bag** and carried it aboard the plane, a Beechcraft King Air 200. Trading banter with the pilots, Horton placed the **bag**, believed to contain his shoe-shine gear, by his feet. A hangar attendant loaded Horton's other **bags** and two lunches for the pilots onto the plane.

At 12:57 p.m., the...Mementos of happier days at Gulf Power litter the room where Horton kept his juke **box** filled with country-western hits and '50s oldies. He loved Ernest Tubbs, Hank Williams, Marty...workers and materials to repair a duplex in Chumuckla. Former Vice President Ben Kickliter bought **two vans** and a pickup truck from the utility that were not put out for bid and...

24/3,K/34 (Item 15 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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04165143 SUPPLIER NUMBER: 08569955 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Warehouse & store equipment. (1990 Buyers' Guide) (directory)

Chilton's Hardware Age, v226, n12, p235(7)

Dec, 1989

DOCUMENT TYPE: directory

ISSN: 8755-254X

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 6721 LINE COUNT: 00527

Search Report from Ginger R. DeMille

24/3,K/59 (Item 3 from file: 634)
DIALOG(R)File 634:San Jose Mercury
(c) 2004 San Jose Mercury News. All rts. reserv.

07359009

THE CHEAP CAR SURVEY

San Jose Mercury News (SJ) - Friday, December 24, 1993
By: Mercury News Wire Services
Edition: Morning Final Section: Drive Page: 1D
Word Count: 1,603

... powertrain. The other provides bumper-to-bumper protection for three years or 36,000 miles.

(box)

DODGE AND PLYMOUTH NEON (\$8,950 est.): Aimed at younger drivers and suburban families looking for a **second car**, the Neon's fresh, sporty, colorful look has far more panache than the cars we...

24/3,K/60 (Item 4 from file: 634)
DIALOG(R)File 634:San Jose Mercury
(c) 2004 San Jose Mercury News. All rts. reserv.

07184243

HIGH-RISE RAMPAGE WAS APPARENTLY WELL-PLANNED FINAL TOLL IN THE S.F.

LAW-OFFICE SHOOTING: 9 DEAD AND 6 WOUNDED. THE GUNMAN IS IDENTIFIED AS S. CALIFORNIA REAL ESTATE INVESTOR. 'NOT A SINGLE PERSON' INVOLVED IN ATTACK RECOGNIZED THE SHOOTER.

San Jose Mercury News (SJ) - Friday, July 2, 1993
By: CATHIE CALVERT AND PAM KRAMER,
Mercury News Staff Writers
Edition: Stock Final Section: Front Page: 1A
Word Count: 1,635

...referred to the killer as John Doe. He said the dead man had at least **two driver** 's licenses with "variations" in the spelling of his last name. He refused to elaborate...

...have the weapons, but he also had a large cache of ammunition in a black **canvas bag**. Some of them had clips on the side of the **bag** and hundreds and hundreds of rounds in the **bag**," the mayor said Thursday.

However, Deputy Chief of Police Frank Reed said, "There was no...a list of some of the deadliest rampages by one person in recent California history.

(box) July 18, 1984 -- Twenty-one people are fatally shot in a McDonald's restaurant in...

... Oliver Huberty, an out-of-work security guard. Huberty is killed by a police sharpshooter.

(box) Feb. 16, 1988 -- Seven employees are killed at ESL Inc., a Sunnyvale defense company. Richard Farley was convicted of murder and sentenced to death.

Search Report from Ginger R. DeMille

? show files;ds

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200461
(c) 2004 Thomson Derwent
File 344:Chinese Patents Abs Aug 1985-2004/May
(c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/May(Updated 040903)
(c) 2004 JPO & JAPIO
File 371:French Patents 1961-2002/BOPI 200209
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File 2:INSPEC 1969-2004/Sep W2
(c) 2004 Institution of Electrical Engineers
File 35:Dissertation Abs Online 1861-2004/Aug
(c) 2004 ProQuest Info&Learning
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File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Aug
(c) 2004 The HW Wilson Co.
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
(c) 2003 EBSCO Pub.
File 256:TecInfoSource 82-2004/Jul
(c) 2004 Info.Sources Inc
File 474:New York Times Abs 1969-2004/Sep 23
(c) 2004 The New York Times
File 475:Wall Street Journal Abs 1973-2004/Sep 23
(c) 2004 The New York Times
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group

Set	Items	Description
S1	33412	(TWO OR 2 OR SECOND OR PLURALITY) (1W) (AUTOMOBILE? ? OR VEHICLE? ? OR TRUCK? ? OR VANS OR DRIVER? ? OR CARRIER? ? OR HAULER? ? OR CAR OR CARS OR AUTO OR AUTOS)
S2	1615	TOTE OR SATCHEL OR CANVAS() BAG
S3	192192	BAG OR BAGS
S4	3836	(EXPANDABLE? OR STRETCH? OR EXTEND? OR EXTENSIBLE?) (3N) (BAG OR BAGS OR POUCH)
S5	1169658	BOX OR CONTAINER OR HOLDER
S6	483754	LOCK OR PAD() LOCK OR BOLT
S7	31572	(DUAL OR DOUBLE OR TWO OR 2 OR SECOND) () (ENTRY OR ENTRIES OR SIDED OR OPENING? ?)
S8	35187	S1 OR CONVOY? ?
S9	0	S1 AND S2 AND S4 AND S5 AND S6
S10	0	S1 AND S2 AND (S3 OR S4) AND S5
S11	0	S1 AND (S2:S4) AND S5 AND S7
S12	0	S8 AND (S2:S4) AND S5 AND S7
S13	1	S8 AND (S2:S4) AND S5 AND S6
S14	21	S8 AND (S2:S4) AND S5
S15	20	S14 NOT S13
S16	18	S15 FROM 350,344,347,371
S17	0	S16 NOT S15
S18	2	S15 NOT S16
S19	3	S8 AND (S2:S4 OR S5) AND S7
S20	45616	(DUAL OR DOUBLE OR TWO OR 2 OR SECOND) () (ENTRY OR ENTIRE - OR SIDED OR OPENING? ?)
S21	5	S8 AND (S2:S4 OR S5) AND S20
S22	2	S21 NOT S19
S23	1103	(S2:S4) (5N) DELIVER?
S24	0	S6 AND S20 AND S23
S25	20	S6 AND S23
S26	5	S20 AND S23

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S27	25	S25 OR S26
S28	25	S27 NOT (S22 OR S21 OR S19 OR S18)
?		

Considered 9/27/07 @Y

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? t13/4/all

13/4/1 (Item 1 from file: 347)
FN- DIALOG(R)File 347:JAPIO|
CZ- (c) 2004 JPO & JAPIO. All rts. reserv.|
TI- LAUNDRY DELIVERING METHOD
PN- 07-230580 -JP 7230580 A-
PD- August 29, 1995 (19950829)
AU- HORI TAKEMI
PA- SANKO SANGYO KK [466336] (A Japanese Company or Corporation), JP
(Japan)
AN- 06-043372 -JP 9443372-
AN- 06-043372 -JP 9443372-
AD- February 18, 1994 (19940218)
IC- -6- G07F-017/20; D06F-093/00; B65G-001/137; E05B-049/00
CL- 29.4 (PRECISION INSTRUMENTS -- Business Machines); 26.9
(TRANSPORTATION -- Other); 28.1 (SANITATION -- Sanitary Equipment);
31.9 (PACKAGING -- Other)
AB- PURPOSE: To always receive clothes to be laundered and to deliver the
laundered clothes in a stable, sure and simple way by providing a
storing **box** for the clothes to be laundered and a control part
which controls the operations of each means and mechanism.

CONSTITUTION: When a user puts his magnetic recording card into a
card slit 7, the information on the card is read by a magnetic record
reading device built in a control part 2. Then the read information
is collected with the usable customer information inputted previously
at the control part 2. An **auto - lock** state is cancelled in
response to the result of collation, and a door 3 opens for reception
of the clothes to be laundered. A usable customer throws a **bag**
containing the clothes to be laundered and preferably a detailed
statement slip showing the types and number of clothes to be
laundered into a storing **box** through a throw-in port. When the door
3 is closed, the card is ejected through the slit 7. At the same
time, a reception form showing the data of reception, a serial
number, the usable customer number, etc., is issued through a printer
ejecting port 8 for the clothes to be laundered.

?

Search Report from Ginger R. DeMille

? t18/4/all

18/4/1 (Item 1 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
(c) 2002 The Gale Group. All rts. reserv.

09834656

Masterfoods is on track for Christmas

UK: Masterfoods unveils new Xmas confectionery gifts
Grocer (GR) 27 Jul 2002 p.52
Language: ENGLISH

Low price, children's play value and innovation have proved to be the main themes behind Masterfoods' three new products, recently unveiled for its Christmas range. The Dolls House colouring **box** has a colouring set in addition to the sweets (t2.79), and the Rally Selection **Box** turns into a race track with **two cars** and pop-up traffic cones. The Skittles Paint Kit comes in a reusable tin, with ten **bags** of skittles, a paint brush and stickers (t4.99). According to the company, the Xmas confectionery market grew 3.9% in 2001, reaching GBt 121mn (US\$ 187.6mn). Advent calendars and branded gifts have been markedly good performers. Further branded new offerings from the group include a Harry Potter Secret Desk Selection **Box** and Advent Calendar, the latter in particular standing to benefit from the second Harry Potter film to be released in November. The latest additions to the range should reach cash and carries in August.

18/4/2 (Item 2 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
(c) 2002 The Gale Group. All rts. reserv.

06393459

Hitachi Zosen **bags** \$100m carrier orders
SINGAPORE: HITACHI ZOSEN CLINCHES S\$ 100 MN DEAL
Business Times (XBA) 15 Nov 1996 P.21
Language: ENGLISH

Singapore's Hitachi Zosen Singapore Ltd (HZSL) has won a S\$ 100 mn shipbuilding order to deliver 4 dry cargo/ **container** carriers. The vessel deal was signed with Clipper Shipping, and it comes with an option for 2 additional **carriers**. HZSL will deliver the first two vessels in 1998, with the remaining two in 1999. Upon delivery, two of the vessels will be owned under the name of the Hai Sun Hup Group, which holds a 50% stake in Clipper. Nonetheless, all 4 ships will be crewed and managed by Ow Ship Management, a unit of Hai Sun Hup.

?

Search Report from Ginger R. DeMille

? t16/3,k/all

16/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

016334869 **Image available**

WPI Acc No: 2004-492766/200447

XRPX Acc No: N04-388962

Airbag apparatus in car, consists of front bag portion and back bag portion connected by tether, which are inflated using inflator based on impact acting on back-seat

Patent Assignee: TOYODA GOSEI KK (TOZA)

Inventor: KOBAYASHI H; MORI K; OGUCHI S

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2004182179	A	20040702	JP 2002354409	A	20021205	200447 B
DE 10354199	A1	20040708	DE 10354199	A	20031120	200447

Priority Applications (No Type Date): JP 2002354409 A 20021205

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2004182179	A	13	B60R-021/22	
DE 10354199	A1		B60R-021/22	

Airbag apparatus in car, consists of front bag portion and back bag portion connected by tether, which are inflated using inflator based on impact acting on back...

Abstract (Basic):

... The airbag apparatus consists of front **bag** portion (21a) and back **bag** portion (21b) connected by a tether (33), which are inflated using an inflator (22) based...

... Airbag apparatus used in vehicle such as one- **box** car, two - **box** car , three- **box** car...

...front **bag** portion (21a...

...back **bag** portion (21b...

...Title Terms: **BAG** ;

16/3,K/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

016334868 **Image available**

WPI Acc No: 2004-492765/200447

XRPX Acc No: N04-388961

Air- bag apparatus in 1- box car, has polymeric foam and ribs arranged at backside of inflator and airbag arranged at upper end of back-most seat

Patent Assignee: TOYODA GOSEI KK (TOZA)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2004182172	A	20040702	JP 2002354198	A	20021205	200447 B

Search Report from Ginger R. DeMille

Priority Applications (No Type Date): JP 2002354198 A 20021205

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2004182172	A		13	B60R-021/22	

Air- bag apparatus in 1- box car, has polymeric foam and ribs arranged at backside of inflator and airbag arranged at...

Abstract (Basic):

... In 1- **box** car, 2 - **box** car , 3- **box** car...

...Protects the head of the passenger using the air- **bag** , even if the passenger moves to the rear side of the vehicle. Absorbs the impact...

...Title Terms: **BAG** ;

16/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

016294592 **Image available**

WPI Acc No: 2004-452487/200443

XRPX Acc No: N04-358203

Storage box for two -wheeled vehicle e.g. motor scooter sector, has flexible bag connected internally in loading compartment to lower portion of storage box and has casing made of water proof fabric

Patent Assignee: PIAGGIO & C SPA (PIAG-N)

Inventor: BAGNOLI A

Number of Countries: 031 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1431167	A2	20040623	EP 200377148	A	20030708	200443 B

Priority Applications (No Type Date): IT 2002MI2728 A 20021220

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1431167	A2	E	7	B62J-007/04	

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

Storage box for two -wheeled vehicle e.g. motor scooter sector, has flexible bag connected internally in loading compartment to lower portion of storage box and has casing made of water proof fabric

Abstract (Basic):

... The **box** (10) has a flexible **bag** (18) connected internally in a loading compartment to a lower portion (12) of the **box** and has a casing (20) made of water proof fabric. The casing is opened by...

... Used in a sector of **two -wheeled vehicle** (claimed) e.g. motor scooter sector to store luggage or other accessory...

...The flexible **bag** is connected internally in a loading compartment to a lower portion of the storage **box** , thereby enabling the **box** with reliable, simple, adaptable to different volumetric requirements of the load, with relatively low cost...

...The drawing shows an axonometric projection of an extensible storage

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box for a **two -wheeled vehicle** in an extended position...

...Storage **box** (10...

...Flexible **bag** (18...

...Title Terms: **BOX** ;

16/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

014699824 **Image available**

WPI Acc No: 2002-520528/200256

Related WPI Acc No: 2003-789070; 2003-789104

XRPX Acc No: N02-411922

Combination blanket and carrier especially for use by children, has the blanket formed integrally with the carrier bag , and may be folded to fit within the bag

Patent Assignee: ID-4 DESIGN INC (IDFO-N); ROSE S (ROSE-I)

Inventor: ROSE S

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2361358	A1	20020509	CA 2361358	A	20011109	200256 B
US 20020088830	A1	20020711	US 200137135	A	20011109	200268

Priority Applications (No Type Date): CA 2327051 A 20001128; CA 2325298 A 20001109; CA 2327202 A 20001121

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2361358	A1	E	12	A45F-004/08	
US 20020088830	A1			A45F-004/02	

... **and carrier especially for use by children, has the blanket formed integrally with the carrier bag , and may be folded to fit within the bag**

Abstract (Basic):

... The combination blanket and carrier has a carrier **bag** with first and **second carrier bag** end walls and first and **second carrier bag** side walls (28) defining a cavity between them. A blanket has its first end secured to a free marginal edge of the first carrier **bag** side wall. The blanket width extends between the first and second opposed blanket sides which is greater than a width of the Garner (R.T.M.) **bag** between the first and **second carrier bag** end walls. A carrying handle (54) is secured to the carrier **bag** .

... carrying handle, a pair of straps (40,42) may be secured to the first and **second carrier bag** side walls, so that the **bag** may be placed on a child's shoulders. A shoulder strap (55) may also be included. A bottle **holder** (50) may be included on the first carrier **bag** end wall...

...The figure shows a perspective view of the carrier **bag** and blanket when the blanket is folded inside the carrier **bag** .

...
...bottle **holder** (50

...Title Terms: **BAG** ;

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16/3,K/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013425654 **Image available**
WPI Acc No: 2000-597597/200057
XRPX Acc No: N00-442690

Long tunnel mucking involves use of two conveying trucks that individually conveys filled muck container bag to halfway point of tunnel and finally to outer side of tunnel

Patent Assignee: SHIMIZU CONSTR CO LTD (SHMC)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000240394	A	20000905	JP 9946089	A	19990224	200057 B

Priority Applications (No Type Date): JP 9946089 A 19990224

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000240394	A		6 E21D-009/12	

Long tunnel mucking involves use of two conveying trucks that individually conveys filled muck container bag to halfway point of tunnel and finally to outer side of tunnel

Abstract (Basic):

... removed from the tunnel (8) through a muck conveying truck (20) which transports the filled **container bag** (10) from a loading point (A) and to a halfway point (B) of the tunnel. The collected **container bag** is transferred to an awaiting conveying truck which finally moves the filled **container** out of the tunnel.

... **Container bag** (10

...Title Terms: **CONTAINER** ;

16/3,K/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012963220 **Image available**
WPI Acc No: 2000-135070/200012
XRAM Acc No: C00-041242

Automatic installation with washing, transport, drying and compacting for mechanical stage in water treatment of retaining material

Patent Assignee: SC BINNOVA SA (BINN-N)
Inventor: DAMIAN C; RAT C
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RO 115154	B1	19991130	RO 783	A	19970423	200012 B

Priority Applications (No Type Date): RO 783 A 19970423

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
RO 115154	B1		C02F-003/00	

...Abstract (Basic): a channel and a support (1), retained material being

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transported by a specially built carrier (2). Inside **carrier** (2) takes place washing, transport, drying and compacting of material followed by discharge in **container** or plastic **bags** .

16/3,K/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

011795178 **Image available**
WPI Acc No: 1998-212088/199819
XRAM Acc No: C98-067046
XRPX Acc No: N98-168531

Inflator for air bags in passenger car, two wheeled vehicles , trucks - provides nozzle between spaces of respective reaction chambers with gas drain hole provided with starter in high voltage pressure container

Patent Assignee: NIPPON KOKI KK (NKOK)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10059115	A	19980303	JP 97135287	A	19970526	199819 B

Priority Applications (No Type Date): JP 96130416 A 19960524

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 10059115	A	16	B60R-021/26	

Inflator for air bags in passenger car, two wheeled vehicles , trucks...

...of respective reaction chambers with gas drain hole provided with starter in high voltage pressure container

...Abstract (Basic): pair of reaction chambers (31,32) and a starter (20) formed inside a high pressure **container** (1). The first reaction chamber consists of a first space (12) adjoining to a hermetically...

...space. A gas drain hole (2) adjoining the second space is connected to the air **bag** at a wall surface inside the vehicle...

...Title Terms: **BAG** ;

16/3,K/8 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

011593849 **Image available**
WPI Acc No: 1998-010977/199802
XRPX Acc No: N98-008672

System for unloading loose materials from containers - has bag gathered in containing chamber having outlet having flange or cap in which piston is driven in both direction under negative pressure

Patent Assignee: ZANCHETTA & C SRL (ZANC-N)
Inventor: PIERI L
Number of Countries: 009 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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EP 810170	A2	19971203	EP 97830251	A	19970528	199802	B
US 5934517	A	19990810	US 97865500	A	19970529	199938	
IT 1285728	B	19980618	IT 96BO297	A	19960531	200029	
EP 810170	B1	20010718	EP 97830251	A	19970528	200142	
DE 69705674	E	20010823	DE 605674	A	19970528	200156	
			EP 97830251	A	19970528		
ES 2161430	T3	20011201	EP 97830251	A	19970528	200203	

Priority Applications (No Type Date): IT 96BO297 A 19960531

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 810170	A2	E	11	B65G-069/18	
Designated States (Regional): BE CH DE ES FR GB IT LI					
US 5934517	A			B67D-005/06	
IT 1285728	B			B65G-000/00	
EP 810170	B1	E		B65G-069/18	
Designated States (Regional): BE CH DE ES FR GB IT LI					
DE 69705674	E			B65G-069/18	Based on patent EP 810170
ES 2161430	T3			B65G-069/18	Based on patent EP 810170

... has bag gathered in containing chamber having outlet having flange or cap in which piston is driven...

...Abstract (Basic): system is fitted with a cartridge that defines a containing chamber (23) of the tubular bag (5) gathered in a resting position, which can be connected at one upper end (51...

...level (L2) through the tube (4), in both directions. It is designed to pass the bag itself extended in an operating position and to transfer the flange once it has reached the lower level, outside the tube so as to allow the tubular bag to be connected to the connection ...

...The cartridge (23) is contained by the container in its lower portion, at the outlet, and can be connected and disconnected by fittings (29), arranged at the top and designed to allow the connection to the container (2) at the outlet. The two-way driver includes a piston (7) that slides in the tube by generating a negative pressure (8...

...ADVANTAGE -Each container can be fitted with its own bag, so when different powders are used, there is no need for cleaning the rigid unloading...

...Title Terms: CONTAINER ;

16/3,K/9 (Item 9 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010492945 **Image available**

WPI Acc No: 1995-394265/199551

XRPX Acc No: N95-287483

Empty bag feeder for packing machine - bag pile feeder has number of tray-form carriers provided with holder and detachably connected to feeder

Patent Assignee: PAPER CONVERTING MACHINE GMBH (PAPC)

Inventor: WALD U

Number of Countries: 020 Number of Patents: 006

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Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 683099	A1	19951122	EP 95105896	A	19950420	199551 B
DE 4417689	A1	19951123	DE 4417689	A	19940520	199601
US 5595468	A	19970121	US 95446385	A	19950522	199710
EP 683099	B1	19980805	EP 95105896	A	19950420	199835
DE 59503047	G	19980910	DE 503047	A	19950420	199842
			EP 95105896	A	19950420	
ES 2119260	T3	19981001	EP 95105896	A	19950420	199848

Priority Applications (No Type Date): DE 4417689 A 19940520

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 683099	A1	G	9	B65B-043/14	
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE					
DE 4417689	A1		8	B65B-043/12	
US 5595468	A		10	B65B-043/12	
EP 683099	B1	G		B65B-043/14	
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LT LU MC NL PT SE SI					
DE 59503047	G			B65B-043/14	Based on patent EP 683099
ES 2119260	T3			B65B-043/14	Based on patent EP 683099

Empty bag feeder for packing machine...

... bag pile feeder has number of tray-form carriers provided with holder and detachably connected to feeder

...Abstract (Basic): The **bag** pile feeder has a number of tray-form carriers (5) which are provided with a **holder** (16) and detachably connected to the feeder (8). Each carrier, with a pile of **bags**, before connecting with the feeder, is moved out from a storage transporter (3) containing several...

...Each of the carriers is withdrawn after **bag** piling and introduced into another storage transporter (12). The storage transporters contain several magazines in...

...ADVANTAGE - Manual operations are reduced while ensuring no additional space is required while feeding empty **bags** to packaging machine...

...Abstract (Equivalent): A device for feeding empty **bags** into a packaging machine comprising a **bag** stack feeder which comprises a **plurality** of **carriers** (5), each equipped with a **holder** (16), each carrier being detachably connected to the **bag** stack feeder, each carrier comprising a laterally open grate having a plurality of spaced apart...

...between the spaced apart rods, and the carrier can be lowered with the stack of **bags** remaining on the machine fork...

...Title Terms: **BAG** ;

16/3,K/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008628726 **Image available**

WPI Acc No: 1991-132756/199118

Search Report from Ginger R. DeMille

XRPX Acc No: N91-101990

Packager for irregularly shaped infusion bags - uses superimposed indent arms on guide plates to create temporary waist in carton sides

Patent Assignee: AG PATENTS LTD (AGPA-N)

Inventor: BIGGS F; HAWKER C E; BIGGS F H

Number of Countries: 038 Number of Patents: 014

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9104911	A	19910418				199118 B
AU 9064408	A	19910428				199131
EP 445272	A	19910911	EP 90914555	A	19900913	199137
ZA 9007432	A	19910828				199139
CN 1050523	A	19910410				199211
US 5140803	A	19920825	WO 90GB1414	A	19900913	199237
			US 91689795	A	19910719	
NZ 235443	A	19930225	NZ 235443	A	19900925	199312
AU 634589	B	19930225	AU 9064408	A	19900913	199315
EP 445272	B1	19931208	EP 90914555	A	19900913	199349
			WO 90GB1414	A	19900913	
DE 69005098	E	19940120	DE 605098	A	19900913	199404
			EP 90914555	A	19900913	
			WO 90GB1414	A	19900913	
ES 2047344	T3	19940216	EP 90914555	A	19900913	199411
IT 1242352	B	19940304	IT 9048311	A	19900926	199437
IE 65508	B	19951101	IE 903458	A	19900926	199604
PH 28242	A	19940512	PH 41271	A	19900926	199838

Priority Applications (No Type Date): GB 8921760 A 19890927

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9104911	A		17		
					Designated States (National): AT AU BB BG BR CA CH DE DK ES FI GB HU JP KP KR LK LU MC MG MW NL NO RO SD SE SU US
					Designated States (Regional): AT BE CH DE DK ES FR GB IT LU NL OA SE
EP 445272	A				
					Designated States (Regional): AT BE CH DE ES FR GB IT LI LU NL SE
US 5140803	A		7	B65B-005/10	Based on patent WO 9104911
AU 634589	B			B65B-005/10	Previous Publ. patent AU 9064408
					Based on patent WO 9104911
EP 445272	B1 E	10		B65B-005/10	Based on patent WO 9104911
					Designated States (Regional): AT BE CH DE DK ES FR GB IT LI LU NL SE
DE 69005098	E			B65B-005/10	Based on patent EP 445272
					Based on patent WO 9104911
ES 2047344	T3			B65B-005/10	Based on patent EP 445272
NZ 235443	A			B65B-005/10	
IT 1242352	B			B65B-000/00	
IE 65508	B			B65B-005/10	
PH 28242	A			B65B-005/10	

Packager for irregularly shaped infusion bags -

...Abstract (Basic): 4) and passes below a filling unit which deposits two adjacent stacks of round tea **bags** (6,7). The carton then moves forward a distance slightly greater than the tea **bag** diameter. Arms (13,14) mounted on outer side plates (8,9) protrude over the guide walls and distort the carton sides (15,16), creating a 'waist' sufficient to stabilise the **bag** stacks prior to the forward movement of the carton and introduction of the next **two** stacks. **Carrier** reversal and arm withdrawal completes the cycle...

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...USE/ADVANTAGE - Filling packs with irregularly shaped tea infusion **bags**
Equipment can be fitted retroactively to existing machinery...
...Abstract (Equivalent): ADVANTAGE - Gives additional support to a stack
of articles in **container** during moving...
...Title Terms: **BAG** ;

16/3,K/11 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

004423073
WPI Acc No: 1985-249951/198541
XRAM Acc No: C85-108371
XRPX Acc No: N85-186883

**Portable liquid container - with two carrier straps on inner
thermo-plastic bag passing through holes in outer cardboard box**
Patent Assignee: CUBIDOR SCHENK B (CUBI-N); SCHENK B (SCHE-I)

Inventor: SCHENK B

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3409053	A	19851003	DE 3409053	A	19840313	198541 B
DE 3409053	C	19860918				198638

Priority Applications (No Type Date): DE 3409053 A 19840313; DE 3448127 A
19840313

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 3409053	A	15		

**Portable liquid container - ...
...with two carrier straps on inner thermo-plastic bag passing
through holes in outer cardboard box**

...Abstract (Basic): A portable **container** for liquids consists of an
inner rectangular **container** , made of a thermoplastic foil and an
outer **container** , made of cardboard. The not self-supporting inner
container has at one end of the top two straps which pass through
punched holes in...

...This can absorb even large weights without detrimental effect on the
stability of the outer **container** .

...Title Terms: **CONTAINER** ;

16/3,K/12 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

004008417
WPI Acc No: 1984-153959/198425
XRPX Acc No: N84-114372

**Press for domestic rubbish - has bag holder with compression sleeve
and extraction duct connected to suction source**
Patent Assignee: OCEAN BV (OCEA-N)

Search Report from Ginger R. DeMille

Inventor: PRINS C B

Number of Countries: 009 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 111358	A	19840620	EP 83201670	A	19831124	198425 B
NL 8204691	A	19840702				198430
NO 8304450	A	19840625				198432

Priority Applications (No Type Date): NL 824691 A 19821203

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 111358	A	E	14		

Designated States (Regional): BE CH DE FR IT LI NL SE

... has bag holder with compression sleeve and extraction duct connected to suction source

...Abstract (Basic): The rubbish collector and compressor has a lbag (2) carrier and a compression ram (21) vertically movable w.r.t. it. It has a suction duct (15) that can be lowered into the bag to evacuate fluid squeezed from the rubbish. A sleeve operating as a compression cylinder can...

...Title Terms: BAG ;

16/3,K/13 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

002379856

WPI Acc No: 1980-J6324C/198040

Carrier device for two wheeled vehicle or tricycle - has lamp, container for batteries and pivotable dynamo with dual drive rollers for operation on opposite sides of tyre

Patent Assignee: SEYMOUR H H (SEYM-I)

Inventor: SEYMOUR H H

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2043228	A	19801001				198040 B
GB 2043228	B	19830112				198302

Priority Applications (No Type Date): GB 803834 A 19800205; GB 794546 A 19790208

Carrier device for two wheeled vehicle or tricycle...

...has lamp, container for batteries and pivotable dynamo with dual drive rollers for operation on opposite sides of...

...Abstract (Basic): The carrier device for a two wheeled vehicle or a tricycle, comprises a lamp, a container for containing one or more batteries for the lamp, and a dynamo for powering the...

...rectifier. The carrier device has a platform portion or a cradle portion for supporting a bag for carrying goods.

...Abstract (Equivalent): The carrier device for a two wheeled vehicle or a tricycle, comprises a lamp, a container for containing one or

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more batteries for the lamp, and a dynamo for powering the...

...dynamo to direct current, so that the dynamo is able to recharge batteries in the **container** if the batteries are rechargeable. The rectifier is a selenium, silicon or germanium rectifier. The carrier device has a platform portion or a cradle portion for supporting a **bag** for carrying goods.

...Title Terms: **CONTAINER** ;

16/3,K/14 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

002187281

WPI Acc No: 1979-L7235B/197951

Bag loading mechanism for boxes - has reciprocating frame with conveyor and second conveyor below leading into box

Patent Assignee: ACMA AZION COSTR (ACMA-N); AIUOLA F (AIUO-I)

Inventor: DRUSIANI B

Number of Countries: 005 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 2902824	A	19791213				197951 B
GB 2022541	A	19791219				197951
FR 2427948	A	19800208				198012
US 4261159	A	19810414				198118
GB 2022541	B	19821124				198247
IT 1105580	B	19851104				198714
DE 2902824	C	19871001				198739

Priority Applications (No Type Date): IT 7841593 A 19780606

Bag loading mechanism for boxes...

...has reciprocating frame with conveyor and second conveyor below leading into box

...Abstract (Basic): The packaging mechanism transfer **bags** from a first station in which they arrive horizontally and intermittently in a vertical plane to a second one where boxes arrived intermittently. The **bags** are loaded into the boxes, whose openings are towards this vertical plane. A frame which reciprocates between **two** stations, **carriers** a conveyor. A grip on the end of a swinging arm delivers a **bag** onto the conveyor...

...The conveyor is then moved towards a second station to discharge the **bag** . A second conveyor below the first extends to the second station, receiving the discharged **bag** , and is moved towards the second station when the frame is moved towards the latter...

...combination with the frame, aiding the action of the second conveyor as it inserts the **bag** in the **box** .

Title Terms: **BAG** ;

16/3,K/15 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

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07298522 **Image available**

GARBAGE CONTAINER

PUB. NO.: 2002-167002 [JP 2002167002 A]
PUBLISHED: June 11, 2002 (20020611)
INVENTOR(s): KASE SUMIKO
APPLICANT(s): KASE SUMIKO
APPL. NO.: 2000-366504 [JP 2000366504]
FILED: December 01, 2000 (20001201)

GARBAGE CONTAINER

ABSTRACT

PROBLEM TO BE SOLVED: To provide a garbage **container** which is kept clean and does not produce bad smell, by washing a bottom of the garbage **container** with water, in a structure of the garbage **container** detachable, and which separately contains garbage by hooking a **plurality** of **carrier** portions of plastic **bags** on an opening of the garbage **container**, thereby setting a plurality of the plastic **bags** on one garbage **container**.

SOLUTION: This garbage **container** comprises a cylindrical **container** body 5 provided with an upper opening 12 and a lower opening 7 on upper...

... respectively; a hook structure 4 formed to hook a carrier portion 3a of a plastic **bag** 3; and a receiving dish 8 detachably fitted to the lower opening 7.

COPYRIGHT: (C...

16/3,K/16 (Item 2 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

05324741 **Image available**

SAMPLING DEVICE FOR TEA RAW LEAF CONTROLLING APPARATUS

PUB. NO.: 08-280241 [JP 8280241 A]
PUBLISHED: October 29, 1996 (19961029)
INVENTOR(s): UCHIYAMA TAIZAN
 SUGIMOTO TORAO
APPLICANT(s): KAWASAKI KIKO CO LTD [464763] (A Japanese Company or
 Corporation), JP (Japan)
APPL. NO.: 07-116500 [JP 95116500]
FILED: April 17, 1995 (19950417)

ABSTRACT

... apparatus, capable of simplifying the constitution of the apparatus, collecting raw leaves in each plucking **bag** and more accurately judging the qualities of the raw leaves at the mouth of the **bag**.

...

...a raw tear leaf controlling device 1 for transporting raw leaves through a temporary storage **container** to a tea manufacturing process, the controlling apparatus is equipped with a first carrier conveyor 11 for collecting the raw leaves thrown in the temporary storage **container** 2 and

Search Report from Ginger R. DeMille

transporting them to the down stream side of the first carrier conveyor 11 and a **second carrier** conveyor 12 which is arranged at the downstream side of the first carrier conveyor 11...

... raw leaves sent by the first carrier conveyor 11 are stored in the divisions. The **second carrier** conveyor 12 is installed in the direction crossing the first carrier conveyor 11 or parallel

16/3,K/17 (Item 3 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

04051215 **Image available**

DEVICE FOR TYING MOUTH OF **BAG** FOR SCREENING RESIDUE

PUB. NO.: 05-042915 [JP 5042915 A]

PUBLISHED: February 23, 1993 (19930223)

INVENTOR(s): HIRAI ATSUO

MUTO EIICHI

TSUDA TOSHIAKI

FUJII IWAO

ARAI OSAMU

APPLICANT(s): HITACHI KIDEN KOGYO LTD [327611] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 03-217889 [JP 91217889]

FILED: August 02, 1991 (19910802)

JOURNAL: Section: M, Section No. 1436, Vol. 17, No. 343, Pg. 45, June 29, 1993 (19930629)

DEVICE FOR TYING MOUTH OF **BAG** FOR SCREENING RESIDUE

ABSTRACT

PURPOSE: To automatically tie the mouth of a **bag** packed with a fixed quantity of screening residue collected from channels in a sewage disposal ...

...CONSTITUTION: **Bag** -holding frames 9, in each of which an empty **bag** 7 to be filled with dehydrated screenings residue is set, are arranged at regular intervals...

... This turntable 8 is turned pitch by pitch intermittently with the interval between two adjacent **bag** -holding frames 9 as one pitch. At a mouth-tying position above the turntable 8 a **bag** -holding means is provided; each **bag** -holding means consists of **bag** grippers 10 provided externally and a cord **holder** which supports two tying cords forming loops passed through the mouth of the **bag** and hitched to the cord **holder** itself. Hooks 13 are passed through the loops of the tying cords, which are hitched to the cord **holder**, and to make up a mouth-tying movable device 14, two **trucks** 18 for the hooks are provided as means of tying the mouth of the **bag** by moving the hooks 13 away from each other.

16/3,K/18 (Item 4 from file: 347)

DIALOG(R)File 347:JAPIO

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03057401 **Image available**

DEVICE FOR FILLING FLEXIBLE CONTAINER BAG

PUB. NO.: 02-032901 [JP 2032901 A]
PUBLISHED: February 02, 1990 (19900202)
INVENTOR(s): ISHIUCHI KAZUFUSA
WADA OSAMU
MAZAKI KENRO
TANAKA NORIAKI
APPLICANT(s): NIPPON STEEL CHEM CO LTD [000664] (A Japanese Company or Corporation), JP (Japan)
YASUKAWA SETSUBI GIKEN KK [486490] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 63-172583 [JP 88172583]
FILED: July 13, 1988 (19880713)
JOURNAL: Section: M, Section No. 961, Vol. 14, No. 181, Pg. 110, April 11, 1990 (19900411)

DEVICE FOR FILLING FLEXIBLE CONTAINER BAG

ABSTRACT

... to be performed continuously by a method wherein a first circulating carrier which carries a **holder** holding an upper opening of a flexible **container bag** and a **second** circulating **carrier** which carries the flexible **container bag** via an adapter are connected by a transfer device with a filling device provided on the way of the **second carrier** so that a **bag** is closed separately from the adapter after filling...

...CONSTITUTION: With an opening of a flexible **container bag** F kept open, a **holder** 1 is mounted and hung from a first circulating carrier 10. In this carrying process...

...of residuals, the degree of damage and the degree of leakage are checked and the **bag** is temporarily stored in a hanging state on a hanging storage yard 10a. It is...

...take-out position to a receiving position by a transfer device 20, moved to a **second** circulating **carrier** 40 via an adapter 30, and carried by a tilting roller conveyer 43 and a...

... of a carrier path 41. During this carrying process, contents to be accepted in a **bag** is filled by a weighing and filling device 50, and the **bag** is closed on a next conveyer 1.

?

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? t19/4/all

19/4/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

IM- *Image available*

AA- 2002-491790/200253|

XR- <XRPX> N02-388762|

TI- Polishing machine for semiconductor wafers includes **two** -chamber
carrier system with membrane and openings in correspondence|

PA- SAMSUNG ELECTRONICS CO LTD (SMSU)|

AU- <INVENTORS> BOO J; LEE S; RYU J; BOO J P; LEE S S; LEE S U; YOO J G;
BOOH J P; LEE S W|

NC- 004|

NP- 007|

PN- DE 10143938 A1 20020606 DE 10143938 A 20010907 200253 B|

PN- US 20020098780 A1 20020725 US 2001877922 A 20010607 200254

PN- JP 2002198337 A 20020712 JP 2001347877 A 20011113 200261

PN- KR 2002040529 A 20020530 KR 200111055 A 20010303 200276

PN- US 6652362 B2 20031125 US 2001877922 A 20010607 200378

PN- US 20040072517 A1 20040415 US 2001877922 A 20010607 200426

<AN> US 2003670855 A 20030925

PN- KR 423909 B 20040324 KR 200111055 A 20010303 200445|

AN- <LOCAL> DE 10143938 A 20010907; US 2001877922 A 20010607; JP 2001347877
A 20011113; KR 200111055 A 20010303; US 2001877922 A 20010607; US
2001877922 A 20010607; US 2003670855 A 20030925; KR 200111055 A
20010303|

AN- <PR> KR 200111055 A 20010303; KR 200069983 A 20001123|

FD- US 20040072517 A1 B24B-005/00 Div ex application US 2001877922
Div ex patent US 6652362

FD- KR 423909 B H01L-021/304 Previous Publ. patent KR 2002040529|

LA- DE 10143938(32); JP 2002198337(18)|

AB- <PN> DE 10143938 A1|

AB- <NV> NOVELTY - The carrier includes a retaining ring on its lower edge.
It also has a **holder** , and is constructed to form first- and second
separate chambers. The **holder** carries a plane surface section with
first openings connecting with the first chamber. **Second openings**
communicate with a second chamber. A membrane encloses the surface
section of the **holder** . The membrane is or can be, spaced from the
surface. It includes a number of third openings, which correspond with
the first openings.|

AB- <BASIC> DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for the
corresponding method.

USE - A polishing machine for semiconductor wafers.

ADVANTAGE - High uniformity is achieved in polishing. Pressure
exerted on individual areas can be controlled. Polishing speed is also
controllable over individual areas. The polishing head accommodates the
wafer in a stable manner. Scratching by the fine polishing particles is
avoided, as they flow between the membrane and the **holder** during the
polishing process.

DESCRIPTION OF DRAWING(S) - A general perspective view of the
machine is presented.

general unit (100)

polishing station (110)

composite polishing plate (112)

rotary table (114)

polishing head assembly (120)

pp; 32 DwgNo 2/11|

Search Report from Ginger R. DeMille

DE- <TITLE TERMS> POLISH; MACHINE; SEMICONDUCTOR; WAFER; TWO; CHAMBER;
CARRY; SYSTEM; MEMBRANE; OPEN; CORRESPOND|
DC- P61; U11|
IC- <MAIN> B24B-005/00; B24B-007/22; B24B-049/00; H01L-021/302;
H01L-021/304|
IC- <ADDITIONAL> B24B-029/00; B24B-037/00; B24B-037/04|
MC- <EPI> U11-C06A1A|
FS- EPI; EngPI||

19/4/2 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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IM- *Image available*

AA- 1988-000947/198801|

XR- <XRAM> C88-000370|

XR- <XRPX> N88-000825|

TI- Appts. transferring semiconductor wafers between carriers - provides
vertical movement with wafers gently supported at all stages|

PA- FUJITSU LTD (FUJIT)|

AU- <INVENTORS> KAWABATA T|

NC- 006|

NP- 006|

PN- EP 250990 A 19880107 EP 87108515 A 19870612 198801 B|

PN- JP 63006857 A 19880112 JP 86150323 A 19860626 198807

PN- US 4744715 A 19880517 US 8765749 A 19870624 198822

PN- KR 9004442 B 19900625 199129

PN- EP 250990 B 19911016 199142

PN- DE 3773761 G 19911121 199148|

AN- <LOCAL> EP 87108515 A 19870612; JP 86150323 A 19860626; US 8765749 A
19870624|

AN- <PR> JP 86150323 A 19860626|

CT- CA 1049662; DE 3508516; EP 134621; EP 47132; FR 2548449; GB 2138775; GB
2156582|

FD- EP 250990 A
<DS> (Regional): DE FR GB

FD- US 4744715 A

FD- EP 250990 B

<DS> (Regional): DE FR GB|

LA- EP 250990(E<PG> 11); US 4744715(9)|

DS- <REGIONAL> DE; FR; GB|

AB- <BASIC> EP 250990 A

Appts. for transferring semiconductor wafers from one carrier (C1)
to a second (C2) turns the carriers so that their openings are directed
downwardly, and has a **holder** (31) with a top opening and which can be
moved to align with either of the carrier openings. A wafer support
(33) is movable downwardly from adjacent the first carrier opening into
the **holder**, and then upwardly from the **holder** to the **second
carrier**, and the carriers are finally turned into their original
positions.

The wafer support is pref. of plastics to prevent wafer damage, and
the wafers can enter the support under their own wt.. The wafers are
pref. held in the carriers by retainers (20) which cease to act when
the support takes the wt. of the wafers.

ADVANTAGE - Holds wafers stably and prevents damage.

2/5|

AB- <EP> EP 250990 B

A wafer transfer apparatus (100) for transferring wafers in a first

Search Report from Ginger R. DeMille

wafer carrier (C1) to a **second** wafer **carrier** (C2) through a first opening and a **second opening** provided in the first (C1) and second (C2) wafer carriers respectively, said apparatus comprising:- (a) a carrier turning means (10) for turning the first (C1) and second (C2) wafer carriers from an original state to a state in which the first and **second openings** are directed downwardly, (b) a wafer holding means (31) for holding the wafers which are being transferred from the first wafer carrier (C1) to the **second wafer carrier** (C2), said wafer holding means (31) comprising a third opening which is directed upwardly to face the downwardly directed first opening when wafers in the first wafer carrier (C1) are transferred to the wafer holding means (31) and to face the downwardly directed **second opening** when wafers held in the wafer holding means (31) are transferred to the **second wafer carrier** (C2) by relatively moving the position of the wafer holding means (31) into correspondence with the positions of the first (C1) and second (C2) wafer carriers respectively, and (c) a wafer supporting means (33) for supporting the wafers which are being transferred from the first wafer carrier (C1) to the wafer holding means (31), when the wafers in the first wafer carrier (C1) are being transferred to the wafer holding means (31), installing the wafers from the first wafer carrier (C1) into the wafer holding means (31), and supporting the wafer which are being transferred from the wafer holding means (31) to the **second wafer carrier** (C2), when the wafers in the wafer holding means (31) are being transferred to the **second wafer carrier** (C2). (13pp)|

AB- <US> US 4744715 A

Wafer transfer appts. includes a **holder** for temporarily holding the wafers during transfer from one carrier to another. The **holder** has an opening directed upwards through which the wafers are transferred. The carriers are turned so that respective openings in the carriers are directed downwards facing the opening in the **holder**. A supporter supports the wafers when they are transferred from the first carrier to the **holder** and then to the **second carrier**. A maintainer in the carriers maintains the wafers in the carriers when the carriers are turned. A transfer device carries the wafers in the **holder** between the openings in the **two carriers**. ADVANTAGE - Transfer is carried out using the weight of the wafers themselves.

(9pp)|

DE- <TITLE TERMS> APPARATUS; TRANSFER; SEMICONDUCTOR; WAFER; CARRY; VERTICAL; MOVEMENT; WAFER; GENTLE; SUPPORT; STAGE|

DC- L03; Q35; Q36; U11|

IC- <ADDITIONAL> B65G-065/23; B65H-001/00; C23C-016/44; H01L-021/68|

MC- <CPI> L04-D10|

MC- <EPI> U11-F02A1|

FS- CPI; EPI; EngPI||

19/4/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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AA- 1984-119255/198419|

XR- <XRAM> C84-050714|

TI- Reel displacement in **container** for reel transportation - uses stands with through vertical cells interacting with platform vertical bracket stops|

PA- KOSTROMA TECHN INST (KOST-R)|

AU- <INVENTORS> USHANOV G P|

Search Report from Ginger R. DeMille

NC- 001|
NP- 001|
PN- SU 1033604 A 19830807 SU 3406228 A 19820305 198419 B|
AN- <LOCAL> SU 3406228 A 19820305|
AN- <PR> SU 3406228 A 19820305|
FD- SU 1033604 A |
LA- SU 1033604(3)|
AB- <BASIC> SU 1033604 A

The unit has reel (2) **carrier** (1) mounted on horizontal platform (3) with side vertical brackets (4) by means of a vertical rod (5) with a retention arrangement, and an arrangement for platform displacement made as balance beam (7) connected to the lifting mechanism. The balance beam (7) has tie rods (8) at the ends. The tie rods interact with the horizontal platform brackets by means of two semi-axles (9).

In order to simplify the servicing, the unit is provided with stands (10) having through vertical cells (11). The platform each vertical bracket has stops (12) for interaction with the stands through vertical cells. The **container** is placed on a table. The retention arrangement consists of a replaceable base, a **double sided** screw (16) which interacts with rod (5) at one end and with nut (7) at the other end. Bul.29/7.8.83.

(3pp Dwg.No.1/3|

DE- <TITLE TERMS> REEL; DISPLACEMENT; **CONTAINER** ; REEL; TRANSPORT; STAND;
THROUGH; VERTICAL; CELL; INTERACT; PLATFORM; VERTICAL; BRACKET; STOP|
DC- F07|
IC- <ADDITIONAL> D06B-023/06|
MC- <CPI> F01-H03C; F03-B|
FS- CPI||
?

Search Report from Ginger R. DeMille

? t22/4/all

22/4/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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IM- *Image available*

AA- 1998-364457/199832|

XR- <XRPX> N98-284665|

TI- **Holder** for computer memory drives - has **two** opposing **carrier** parts between which memory drive is held and a spacers on inside of each carrier part|

PA- SIEMENS NIXDORF INFORM AG (SIEI)|

NC- 001|

NP- 001|

PN- DE 29807526 U1 19980702 DE 98U2007526 U 19980427 199832 B|

AN- <LOCAL> DE 98U2007526 U 19980427|

AN- <PR> DE 98U2007526 U 19980427|

FD- DE 29807526 U1 G06F-001/16|

LA- DE 29807526(10)|

AB- <BASIC> DE 29807526 U

The **holder** has **two** opposing **carrier** sections (10) between which the memory drive (12) is held. Each carrier section has opening (14,16) to receive fastenings. At least one spacer (28) is provided on the inside of each carrier section. The spacers are preferably arranged in the region of the openings. **Two openings** are provided in each carrier to fasten the drive.

Two spacers are provided in the longitudinal direction of the drive on each side, directly adjacent each opening. The spacers are arc shaped with a curve adapted to the shape of the openings.

ADVANTAGE - Prevents damage to seal between drive housing halves, on inserting or removing drive.

Dwg.1/3|

DE- <TITLE TERMS> HOLD; COMPUTER; MEMORY; DRIVE; TWO; OPPOSED; CARRY; PART; MEMORY; DRIVE; HELD; SPACE; CARRY; PART|

DC- T01|

IC- <MAIN> G06F-001/16|

MC- <EPI> T01-L02B|

FS- EPI||

22/4/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

IM- *Image available*

AA- 1997-213673/199720|

XR- <XRPX> N97-176158|

TI- Adjustable height seat for motorcycle and method of manufacture - has removable **second driver** 's seat attached by **holder** system and shaped to fit into recess on permanent first seat providing two riding positions|

PA- FROEHLICH H (FROE-I)|

AU- <INVENTORS> FROEHLICH H|

NC- 001|

NP- 002|

PN- DE 19536041 A1 19970410 DE 1036041 A 19950928 199720 B|

PN- DE 19536041 C2 19991230 DE 1036041 A 19950928 200005|

AN- <LOCAL> DE 1036041 A 19950928; DE 1036041 A 19950928|

Search Report from Ginger R. DeMille

AN- <PR> DE 1036041 A 19950928|
FD- DE 19536041 A1 B62J-001/00
FD- DE 19536041 C2 B62J-001/00|
LA- DE 19536041(6)|
AB- <BASIC> DE 19536041 A

The seat (4) has a basic first seat (8) attached to the motorcycle (1) with a seating recess (9) in the drivers position. The height of the first seat suits a small person. The first seat is completely functional in its own right. A removable second seat (10) with an underside shaped to fit into the seating recess is attached around and on top of the first seat by a detachable **holder** system (14,15,18). When in position the height of the second seat suits a large person.

The **holder** system may be made up of **two - sided** fixing joints (14,15), that sit on the second seat, as side extensions of coating (12) situated below and is laid flat. The seat may be made by forming a recess in a mass produced standard seat, and adding a shaped cushion component.

USE/ADVANTAGE - Used esp. for motorcycles ridden by people of differing sizes e.g. in riding schools or within a family. The seat height is changed quickly and can be sized to suit particular users.

Dwg.3/5|

DE- <TITLE TERMS> ADJUST; HEIGHT; SEAT; MOTORCYCLE; METHOD; MANUFACTURE;
REMOVE; SECOND; DRIVE; SEAT; ATTACH; HOLD; SYSTEM; SHAPE; FIT; RECESS;
PERMANENT; FIRST; SEAT; TWO; RIDE; POSITION|

DC- Q23|

IC- <MAIN> B62J-001/00|

IC- <ADDITIONAL> B62J-001/12|

FS- EngPI||

?

? t28/4/all

28/4/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

IM- *Image available*
AA- 2003-554206/200352|
DX- <RELATED> 2004-059379|
XR- <XRAM> C03-149658|
XR- <XRPX> N03-440014|
TI- Live fish transport **tote** includes flow meter and **delivery** line
lockinglly coordinate with bulkhead fitting and periscope pipe, and
mounting brackets lockinglly coordinate with radial arms of oxygen
diffusing system|
PA- SEA CHICK INC (SEAC-N)|
AU- <INVENTORS> ROBOHM D|
NC- 001|
NP- 001|
PN- US 6557492 B1 20030506 US 2002198741 A 20020719 200352 B|
AN- <LOCAL> US 2002198741 A 20020719|
AN- <PR> US 2002198741 A 20020719|
LA- US 6557492(24)|
AB- <PN> US 6557492 B1|
AB- <NV> NOVELTY - A live fish transport **tote** has flow meter and
delivery line that are disposed within a vent hole and lockinglly
coordinate with the bulkhead fitting and periscope pipe, and mounting
brackets lockinglly coordinate with the radial arms of the oxygen
diffusing system.|
AB- <BASIC> DETAILED DESCRIPTION - A live fish transport tote comprises a
modular insulated container formed from a lightweight, durable
material. The container further comprises:
 (1) interior and exterior surfaces, the base of the interior
 surface having mounting brackets;
 (2) an integral base and sidewalls (205), the base and sidewalls
 having grooves which coordinate with the tines of a forklift;
 (3) a removable lid (240) with a vent hole disposed in the center;
 and
 (4) an oxygen delivery system comprising an oxygen flow meter
 having a supply coupling (325), an oxygen supply source, an oxygen
 diffusing system having radially extending oxygen diffusers (335), and
 an oxygen delivery line (330).
 The vent hole further comprises a bulkhead fitting disposed within
 the vent hole for securing a periscope pipe (255) and a periscope pipe
 for venting the tote to the exterior environment attached to the
 bulkhead fitting. The flow meter and delivery line are disposed within
 the vent hole and lockinglly coordinate with the bulkhead fitting and
 periscope pipe, and the mounting brackets lockinglly coordinate with the
 radial arms of the oxygen diffusing system. INDEPENDENT CLAIMS are also
 included for:
 (a) a chemically and biologically balanced aquaculture solution for
 transporting and storing live fish over extended periods of time with
 minimal morbidity and mortality;
 (b) a method for preparing a chemically and biologically balanced
 aquaculture solution for use in transporting live fish over extended
 period of time; and
 (c) a method for transporting and storing live fish over extended
 periods of time.
 The solution is free from carbon dioxide and ammonia and comprises

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an osmoregulatory salt gradient, an oxygen saturation level to maintain fish, a calcium water hardness level to induce toughening of fish scales, a dynamic pH buffering system, and a bioactive bacterial culture. The solution is maintained at a temperature to induce thermal stasis. The chemically and biologically balanced aquaculture solution is prepared by:

- (a) removing particulate matter from source water;
- (b) filtering the source water through an ammonia remover;
- (c) adjusting the temperature of the filtered water to a temperature to induce thermal stasis in fish;
- (d) removing carbon dioxide from the cooled, filtered water; and
- (e) adding chemical and biological balancing components to the water.

The live fish is transported and stored by:

- (a) harvesting fish and source water into live fish transport totes;
- (b) coordinating the totes with an automated water treatment and delivery apparatus comprising a suction system, a circulation pump, filtration component(s), treatment component(s), and a water dispenser;
- (c) removing source water-from the totes by suction system;
- (d) circulating the source water through the filtration component to establish filtered source water;
- (e) circulating the filtered source water through the treatment component to establish a chemically and biologically balanced aquaculture solution;
- (f) returning the chemically and biologically balanced aquaculture solution via the water dispenser to the live fish transport tote; and
- (g) loading the totes into a delivery vehicle.

The fish may be transported and stored within the totes for an extended period of time with minimal stock loss.

USE - For harvesting, storing and transporting live fish (claimed) as well as other seafood species, e.g. crabs, oysters, lobsters, or shrimp.

ADVANTAGE - The invention allows the conventional harvest to order mode of fish farming to be replaced by a continuously maintained inventory of live fish finished goods available for shipment at any time, on a moment's notice.

DESCRIPTION OF DRAWING(S) - The figure shows a side view in cross section of an oxygen delivery system of the in combination of the fish transport tote.

Sidewalls (205)
Removable lid (240)
Periscope pipe (255)
Supply coupling (325)
Oxygen delivery line (330)
Oxygen diffusers (335)
pp; 24 DwgNo 8/11|

AB- <TF> TECHNOLOGY FOCUS - INSTRUMENTATION AND TESTING - Preferred Component: The oxygen diffusers further comprise micro-fine silica diffusers. An oxygen supply source is connected to the flow meter via the supply coupling. Preferred Property: The dynamic pH buffering system maintains a solution pH of 6.8-6.9.

INORGANIC CHEMISTRY - Preferred Composition: Calcium is 20-60 ppm. Osmoregulatory salt is 1-10 ppt.

BIOLOGY - Preferred Component: The bacterial culture comprises an activated nitrifying strain of bacteria.|

DE- <TITLE TERMS> LIVE; FISH; TRANSPORT; TOTE; FLOW; METER; DELIVER; LINE; LOCK ; COORDINATE; BULKHEAD; FIT; PERISCOPE; PIPE; MOUNT; BRACKET; LOCK ; COORDINATE; RADIAL; ARM; OXYGEN; DIFFUSION; SYSTEM|

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DC- D15; P14; T05|
IC- <MAIN> A01K-063/02|
IC- <ADDITIONAL> A01K-063/04|
MC- <CPI> D02-A02|
MC- <EPI> T05-H08C|
FS- CPI; EPI; EngPI||

28/4/2 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

IM- *Image available*
AA- 2002-208095/200227|
XR- <XRPX> N02-158692|
TI- Buckle for belts used for packages or travelling bags etc. has belt adjusting portion, which can not adjust length of belt when female body and male body are locked with each other|
PA- YKK CORP (YOSI); YOSHIDA KOGYO KK (YOSI)|
AU- <INVENTORS> KANEKO H; MURASAKI R; TAKAHASHI Y|
NC- 029|
NP- 005|
PN- EP 1177735 A2 20020206 EP 2001306435 A 20010726 200227 B|
PN- US 20020014096 A1 20020207 US 2001904876 A 20010716 200227
PN- JP 2002112807 A 20020416 JP 2000391330 A 20001222 200242
PN- US 6647750 B2 20031118 US 2001904876 A 20010716 200376
PN- TW 550055 A 20030901 TW 2001117664 A 20010719 200413|
AN- <LOCAL> EP 2001306435 A 20010726; US 2001904876 A 20010716; JP 2000391330 A 20001222; US 2001904876 A 20010716; TW 2001117664 A 20010719|
AN- <PR> JP 2000391330 A 20001222; JP 2000231701 A 20000731; JP 2000231702 A 20000731|
FD- EP 1177735 A2 A44B-011/25
<DS> (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR|
LA- EP 1177735(E<PG> 36); JP 2002112807(27)|
DS- <REGIONAL> AL; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LT; LU; LV; MC; MK; NL; PT; RO; SE; SI; TR|
AB- <PN> EP 1177735 A2|
AB- <NV> NOVELTY - An engaging portion (15) is provided on either one of the housing and the inserting portion. An elastically deformable engaged portion (32) is provided on the other one of the housing and the inserting portion. When the inserting portion is inserted in the housing, the housing conceals the engaging portion and the engaged portion are engaged with each other as well as the belt-adjusting portion. When the inserting portion is pulled out from the housing, the engaged portion is deformed by insertion of a key to release the engagement of the engaging portion and the engaged portion.|
AB- <BASIC> DETAILED DESCRIPTION - The buckle has a female body (1) formed with a holding space for holding a male body (2) in a housing (5). An insertion opening inserts the male body and a key insertion hole (11), both of which communicate with the holding space, are provided in the housing. A belt attaching portion (12) is provided at an end of the housing opposing to the insertion opening. The male body is provided with a belt adjusting portion at a base end of an inserting portion.
USE - For use as a fastening belt used for a package of a commodity by door-to-door parcel **delivery** or for a travelling **bag** or the like.
ADVANTAGE - Is equipped with a safe and simple locking mechanism

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and is capable of being used with security. Is capable of appropriately adjusting a fastening of the belt without being influenced by a thickness of the belt.

DESCRIPTION OF DRAWING(S) - The drawing is a cross sectional view showing an engaging state of the female body and the male body of the buckle.

Female body (1)
Male body (2)
Housing (11) Key insertion hole (5)
Belt attaching portion (12)
Engaging portion (15)
Engaged portion (32)
pp; 36 DwgNo 9/37|

DE- <TITLE TERMS> BUCKLE; BELT; PACKAGE; TRAVEL; BAG; BELT; ADJUST; PORTION
; CAN; ADJUST; LENGTH; BELT; FEMALE; BODY; MALE; BODY; LOCK |

DC- P23; Q47|

IC- <MAIN> A44B-011/25; E05B-069/00; E05B-073/00|

IC- <ADDITIONAL> A44B-011/26; E05B-065/00|

FS- EngPI||

28/4/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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IM- *Image available*

AA- 2002-097896/200213|

XR- <XRPX> N02-072320|

TI- Produce bagging machine, e.g. carrots string beans|

PA- ZELLWIN PROD CO (ZELL-N); ZELLWIN FARMS CO (ZELL-N)|

AU- <INVENTORS> KELEMEN L E|

NC- 096|

NP- 003|

PN- WO 200194201 A2 20011213 WO 2001US40872 A 20010606 200213 B|

PN- AU 200167042 A 20011217 AU 200167042 A 20010606 200225

PN- US 6779321 B1 20040824 US 2000590494 A 20000609 200457|

AN- <LOCAL> WO 2001US40872 A 20010606; AU 200167042 A 20010606; US
2000590494 A 20000609|

AN- <PR> US 2000590494 A 20000609|

FD- WO 200194201 A2 B65B-000/00

<DS> (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG
KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU
SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

<DS> (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS
LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

FD- AU 200167042 A Based on patent WO 200194201|

LA- WO 200194201(E<PG> 31)|

DS- <NATIONAL> AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ
DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE
SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW|

DS- <REGIONAL> AT; BE; CH; CY; DE; DK; EA; ES; FI; FR; GB; GH; GM; GR; IE;
IT; KE; LS; LU; MC; MW; MZ; NL; OA; PT; SD; SE; SL; SZ; TR; TZ; UG; ZW|

AB- <PN> WO 200194201 A2|

AB- <NV> NOVELTY - The produce bagging machine includes a filling station
positioned on a support frame, and including a filling chute movable to
a first position for receiving produce from a produce supply and to a
second position for delivering the produce into a bag. The filling

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chute may preferably be shaped as a box having a first opening positioned at an upper end for receiving produce, an interior cavity for therein holding the produce, and a **second opening** or door positioned at a lower end for therethrough delivering the produce. The filling chute door panels form angled walls at the lower end of the interior cavity so as to thereby guide individual pieces of elongated produce, preferably carrots, into substantially parallel alignment as the produce is delivered. |

AB- <BASIC> DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for a machine for bagging elongated products, a movable produce bagging machine, and a method of bagging elongated elements.

USE - For bagging produce, especially carrots string beans.

ADVANTAGE - reduces impact damage to the produce and fills the bags in alignment, making bags more attractive to consumer.

DESCRIPTION OF DRAWING(S) - The figure shows the produce bagging machine.

pp; 31 DwgNo 1/8 |

DE- <TITLE TERMS> PRODUCE; BAG; MACHINE; CARROT; STRING; BEAN |

DC- Q31 |

IC- <MAIN> B65B-000/00; B65B-005/06 |

IC- <ADDITIONAL> B65B-009/10 |

FS- EngPI | |

28/4/4 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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IM- *Image available*

AA- 2001-485020/200153 |

XR- <XRAM> C01-145740 |

XR- <XRPX> N01-359031 |

TI- **Delivery bag** manufacturing method involves laminating peeling film in back film which is continuously welded longitudinally in center section and disconnecting after sealing laminate in predetermined dimension |

PA- YAMAGATA GRAVURE KK (YAMA-N) |

NC- 001 |

NP- 001 |

PN- JP 2001150553 A 20010605 JP 99335718 A 19991126 200153 B |

AN- <LOCAL> JP 99335718 A 19991126 |

AN- <PR> JP 99335718 A 19991126 |

LA- JP 2001150553(6) |

AB- <PN> JP 2001150553 A |

AB- <NV> NOVELTY - A peeling film is laminated at back film of bag. **Double sided** and bottom edges of the front and back films are joined through an adhesive layer. Front and back films are welded longitudinally in center of the film by roller (11). Laminate of front film, back film, adhesive layer and peeling film are disconnected by slit (12) after sealing laminate film (9) in specific dimensions. |

AB- <BASIC> DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for **delivery bag** .

USE - For handling of parcel delivery service, delivery of goods for golf, and skiing, refrigeration goods, frozen goods for non-store sale and direct delivery.

ADVANTAGE - The amount of generation of refuse and generation of toxic substance during incineration are reduced. Two **delivery bags** are simultaneously formed on the cross-section of the elongated film of raw material and the **delivery bag** is manufactured economically.

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Necessity for classification during discard is eliminated, as the whole bag consists of plastic film. The peeling film is easy to remove and sticking of voucher on the conveyance goods is easy.

DESCRIPTION OF DRAWING(S) - The figure shows the process flow sheet manufacturing method of **delivery bag** .

Laminate film (9)

Roller (11)

Slitter (12)

pp; 6 DwgNo 2/4|

DE- <TITLE TERMS> DELIVER; BAG; MANUFACTURE; METHOD; LAMINATE; PEEL; FILM;
BACK; FILM; CONTINUOUS; WELD; LONGITUDE; SECTION; DISCONNECT; AFTER;
SEAL; LAMINATE; PREDETERMINED; DIMENSION|

DC- A35; A92; P72; Q32|

IC- <MAIN> B29C-065/18|

IC- <ADDITIONAL> B29K-023-00; B29L-022-00; B31B-023/64; B65D-027/00|

MC- <CPI> A11-B09A2; A11-C01A1; A12-P02|

FS- CPI; EngPI||

28/4/5 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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IM- *Image available*

AA- 2000-304017/200027|

XR- <XRPX> N00-227157|

TI- Container for protecting delivered packages includes a securing member anchored inside the home|

PA- HOWARD C (HOWA-I); HOWARD J (HOWA-I)|

AU- <INVENTORS> HOWARD C; HOWARD J|

NC- 001|

NP- 001|

PN- CA 2220810 A1 19990513 CA 2220810 A 19971113 200027 B|

AN- <LOCAL> CA 2220810 A 19971113|

AN- <PR> CA 2220810 A 19971113|

FD- CA 2220810 A1 E05B-073/00|

LA- CA 2220810(E<PG> 19)|

AB- <PN> CA 2220810 A1|

AB- <NV> NOVELTY - The container (22) has a closure panel (14) that can be locked and unlocked (16). A securing member (18) is connected to the container and can extend through a closed door (D) e.g. through gap at the bottom. The other end of the member is anchored inside domicile (20). During use the container is left outside unlocked with the anchor in place, an item can be placed in the container then the container locked.|

AB- <BASIC> DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a method of providing temporary storage for a package.

USE - Container for protecting delivered packages.

ADVANTAGE - A package placed inside the container cannot be accessed with unlocking the **lock** , leaving the item(s) safely inside the container until the owner returns home.

DESCRIPTION OF DRAWING(S) - The drawing shows a perspective view of the **delivery** protection **bag** in use.

Closure panel (14)

Lock (16)

Securing line (18)

Anchor (20)

Container (22)

Door (D)

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pp; 19 DwgNo 1/5|
DE- <TITLE TERMS> CONTAINER; PROTECT; DELIVER; PACKAGE; SECURE; MEMBER;
ANCHOR; HOME|
DC- Q47|
IC- <MAIN> E05B-073/00|
FS- EngPI||

28/4/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

IM- *Image available*
AA- 1999-133663/199912|
XR- <XRPX> N99-097393|
TI- Plastics clamp for attaching drink in plastics bag to e.g. rucksack -
consists of two horseshoe-shaped arms either side of U-shaped pivoting
element with ratchet **lock** at its base|
PA- NAT MOLDING CORP (NAMO-N)|
AU- <INVENTORS> ANSCHER J; FRAZE G|
NC- 002|
NP- 002|
PN- DE 19835264 A1 19990211 DE 1035264 A 19980804 199912 B|
PN- US 5884372 A 19990323 US 97906220 A 19970804 199919|
AN- <LOCAL> DE 1035264 A 19980804; US 97906220 A 19970804|
AN- <PR> US 97906220 A 19970804|
FD- DE 19835264 A1 F16L-003/13
FD- US 5884372 A A47B-096/06|
LA- DE 19835264(6)|
AB- <BASIC> DE 19835264 A

A supply of drink is held in especially a plastics **bag** with a
tube outlet for **delivery** direct to mouth. The tube is slung from an
item of outdoor clothing by a plastics clamp which is attached both to
the tube and the clothing in a simultaneous action.

The clamp consists of two horseshoe-shaped arms (6) either side of
a U-shaped pivoting (19) element (21) with a ratchet **lock** at its
base. The horseshoe-shaped arms are placed over the tube (100) which is
then locked in place by the centre-section (21) while the ratchet is
applied to an item of outdoor clothing e.g. rucksack strap.

ADVANTAGE - The clamp can be attached to any convenient piece of
outer wear.

Dwg.1/4|

DE- <TITLE TERMS> PLASTICS; CLAMP; ATTACH; DRINK; PLASTICS; BAG; RUCKSACK;
CONSIST; TWO; HORSESHOE; SHAPE; ARM; SIDE; U-SHAPED; PIVOT; ELEMENT;
RATCHET; **LOCK** ; BASE|
DC- P25; P27; Q67|
IC- <MAIN> A47B-096/06; F16L-003/13|
IC- <ADDITIONAL> A47G-001/00; F16L-003/02|
FS- EngPI||

28/4/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

IM- *Image available*
AA- 1997-548574/199750|
XR- <XRPX> N97-457434|
TI- Safety locking device for attachment to absorber used in anaesthesia

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system - has components interfitted together, one of which retains switch in second position and other one physically enters first inlet to prevent inlet from being closed|

PA- OHMEDA INC (OHME-N)|

AU- <INVENTORS> FRIES R C; PERNETTI D L|

NC- 001|

NP- 001|

PN- US 5682876 A 19971104 US 96620052 A 19960320 199750 B|

AN- <LOCAL> US 96620052 A 19960320|

AN- <PR> US 96620052 A 19960320|

FD- US 5682876 A A61M-016/00|

LA- US 5682876(8)|

AB- <BASIC> US 5682876 A

The absorber comprises a housing having a first inlet for receiving gas from a ventilator, and a second inlet for receiving gas from a closed **bag**. An outlet is provided for **delivering** gas to a patient. A switch within the housing is normally movable between a first position where the first inlet is connected to the outlet and a second position where the second inlet is connected to the outlet.

The locking device affixed to the housing retains the switch in the second position. The locking device further prevents the first inlet from being closed. The locking device comprises a pair of components interfitted together. One of the components retains the switch in the second position and the other of the components prevents the first inlet from being closed. The other component physically enters the first inlet to prevent the inlet from being closed.

ADVANTAGE - provides assurance that the bag to ventilator switch cannot be put in the ventilator position for those applications where a ventilator is not intended to be used, i.e. MRI applications.

Dwg.2/4|

DE- <TITLE TERMS> SAFETY; **LOCK** ; DEVICE; ATTACH; ABSORB; ANAESTHETIC; SYSTEM; COMPONENT; INTERFITTING; ONE; RETAIN; SWITCH; SECOND; POSITION; ONE; PHYSICAL; ENTER; FIRST; INLET; PREVENT; INLET; CLOSE|

DC- P34|

IC- <MAIN> A61M-016/00|

FS- EngPI||

28/4/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

IM- *Image available*

AA- 1997-345056/199732|

XR- <XRPX> N97-286175|

TI- Delivery box for houses - forms storage space by pulling apart front box and rear box connected by folding type bag|

PA- HITACHI BUILDING SYSTEM SERVICE KK (HITA-N)|

NC- 001|

NP- 001|

PN- JP 9140550 A 19970603 JP 95310910 A 19951129 199732 B|

AN- <LOCAL> JP 95310910 A 19951129|

AN- <PR> JP 95310910 A 19951129|

FD- JP 9140550 A |

LA- JP 9140550(5)|

AB- <BASIC> JP 9140550 A

The delivery box is made of a front box (2) and a rear box (3) connected by a folding type bag (1). A collapsible chain (6) and a support link (10) are provided between the front and rear boxes.

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The front box has a door (4) with a **lock** (9) and a window (7). The rear box and front box are pulled apart forming storage space enclosed by folding **bag** to store **delivery** articles.

ADVANTAGE - Reduces space occupied. Prevents obstruction. Prevents damage to delivery articles.

Dwg.1/3|

DE- <TITLE TERMS> DELIVER; BOX; HOUSE; FORM; STORAGE; SPACE; PULL; APART; FRONT; BOX; REAR; BOX; CONNECT; FOLD; TYPE; BAG|

DC- P25; P27|

IC- <MAIN> A47G-029/12|

IC- <ADDITIONAL> A47B-043/00|

FS- EngPI||

28/4/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

IM- *Image available*

AA- 1997-042083/199704|

XR- <XRPX> N97-035046|

TI- Sand delivery system for use in vehicles - comprises blower system installed in hollow front bumper for forcing sand through nozzles|

PA- FROST M T (FROS-I)|

AU- <INVENTORS> FROST M T|

NC- 001|

NP- 001|

PN- US 5582441 A 19961210 US 95570480 A 19951211 199704 B|

AN- <LOCAL> US 95570480 A 19951211|

AN- <PR> US 95570480 A 19951211|

FD- US 5582441 A B60B-039/08|

LA- US 5582441(8)|

AB- <BASIC> US 5582441 A

The system uses the hollow front bumpers found on most modern vehicles today to store **bags** of sand, which is **delivered** through a number of nozzles located in the front of the vehicle. A blower system forces the sand through the nozzles and projects the sand in a wide pattern out in front of the vehicle. The system is designed to operate when the vehicle is braking. Because the sand is disbursed out in front of the vehicle, the tires can better utilize the sand for braking.

Because the sand is projected out in front of the vehicle only a moderate amount of sand is needed to improve traction. The sand delivery system can be tied to a manual switch, the vehicle's brake pedal, or to a computer that is tied into the anti- **lock** brake systems of a car. In the latter case, sand is only be applied when the anti- **lock** brake system is activated.

ADVANTAGE - Reduces need for large quantities of sand.

Dwg.2/10|

DE- <TITLE TERMS> SAND; DELIVER; SYSTEM; VEHICLE; COMPRISE; BLOW; SYSTEM; INSTALLATION; HOLLOW; FRONT; BUMPER; FORCE; SAND; THROUGH; NOZZLE|

DC- Q11; X22|

IC- <MAIN> B60B-039/08|

MC- <EPI> X22-X|

FS- EPI; EngPI||

28/4/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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IM- *Image available*
AA- 1995-082046/199511|
XR- <XRPX> N95-064975|
TI- Syringe actuated valve for filling solution bag - has upstream housing configured as female liner tip and **lock** fitting of typical syringe having annular base and downstream portions|
PA- I-FLOW CORP (IFLO-N)|
AU- <INVENTORS> MCPHEE C J|
NC- 020|
NP- 002|
PN- WO 9503841 A1 19950209 WO 94US8245 A 19940722 199511 B|
PN- AU 9474740 A 19950228 AU 9474740 A 19940722 199521|
AN- <LOCAL> WO 94US8245 A 19940722; AU 9474740 A 19940722|
AN- <PR> US 93102141 A 19930803|
CT- US 4857062; US 4895346; US 4932633; US 5000745|
FD- WO 9503841 A1 A61M-005/00
 <DS> (National): AU CA CN JP
 <DS> (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
FD- AU 9474740 A A61M-005/00 Based on patent WO 9503841|
LA- WO 9503841(E<PG> 33)|
DS- <NATIONAL> AU CA CN JP|
DS- <REGIONAL> AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE|
AB- <BASIC> WO 9503841 A
 A housing has a proximal portion and a distal portion, with the proximal housing portion including a syringe-receiving port configured as an externally-threaded female fitting that is lockable with the locking fitting when the male tip is inserted into the syringe-receiving port. An internal valve passage is in the distal housing portion, and first and second seats in the proximal and distal housing portions.
 A resilient diaphragm has a normally-closed slit in, with the diaphragm having a proximal side seated against the first seat and a distal side seated against the second seat. The diaphragm has a proximal surface exposed to the syringe-receiving port and a distal surface exposed to the internal valve passage. The syringe-receiving port is axially dimensioned so that the male tip engages the proximal surface of the diaphragm so as to open the slit without penetration through, when the male tip is inserted into the syringe-receiving port.
 ADVANTAGE - Minimal contact force required to open the valve, so allowing the valve to be opened by a minimal degree of insertion of the Luer tip, and provides excellent sealing integrity when closed, so that leakage is prevented when the administration set is used to **deliver** the contents of the IV **bag** to the patient.
 Dwg.2/3|
DE- <TITLE TERMS> SYRINGE; ACTUATE; VALVE; FILL; SOLUTION; BAG; UPSTREAM; HOUSING; CONFIGURATION; FEMALE; LINING; TIP; **LOCK** ; FIT; TYPICAL; SYRINGE; ANNULAR; BASE; DOWNSTREAM; PORTION|
DC- P34|
IC- <ADDITIONAL> A61M-005/178|
FS- EngPI||

28/4/11 (Item 11 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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IM- *Image available*

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AA- 1995-029958/199504|
XR- <XRPX> N95-023751|
TI- Catheter package and delivery system - has distal tip removable through first hole in package, including catheter threaded through needle|
PA- KENDALL CO (KEND)|
AU- <INVENTORS> GROSS J R|
NC- 001|
NP- 001|
PN- US 5372254 A 19941213 US 94186954 A 19940127 199504 B|
AN- <LOCAL> US 94186954 A 19940127|
AN- <PR> US 94186954 A 19940127|
FD- US 5372254 A B65D-085/30|
LA- US 5372254(4)|
AB- <BASIC> US 5372254 A

The package and **delivery** system comprises a plastic **bag** sealed around its periphery to define a closure for a catheter having opposed distal and proximal ends contained within the bag. The bag has first and second spaced openings on one surface. The distal end of the catheter is inserted within the first opening.

The portion of the catheter extends from the first opening to the **second opening** being disposed outside the bag. The remaining portion of the catheter is disposed within the bag through the **second opening**. On removal of the distal end of the catheter from within the first opening and then threading it through the needle, the catheter is pulled from within the bag through the **second opening**.

USE - For a catheter to be introduced into a patient through a needle.

Dwg.1/2|

DE- <TITLE TERMS> CATHETER; PACKAGE; DELIVER; SYSTEM; DISTAL; TIP; REMOVE; THROUGH; FIRST; HOLE; PACKAGE; CATHETER; THREAD; THROUGH; NEEDLE|
DC- Q34|
IC- <MAIN> B65D-085/30|
FS- EngPI||

28/4/12 (Item 12 from file: 350)

DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

IM- *Image available*
AA- 1990-036314/199005|
XR- <XRPX> N90-027868|
TI- Method of tying open end of bag - comprises gathering wall of bag together at open end of bag to close it, manipulating flexible band to engage interlocking units|
PA- SWEENEY D R (SWEE-I)|
AU- <INVENTORS> HAFNER G E|
NC- 001|
NP- 001|
PN- US 4881301 A 19891121 US 87130012 A 19871208 199005 B|
AN- <LOCAL> US 87130012 A 19871208|
AN- <PR> US 87130012 A 19871208|
FD- US 4881301 A |
LA- US 4881301(6)|
AB- <BASIC> US 4881301 A

The method of tying the open end of a bag comprises (a) gathering the wall of the bag together at an open end of the bag to close the open end, (b) manipulating with one hand an open, arcuate, flexible band made of plastics and having opposed tips to insert the gathered

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bag wall between the opposed tips, which are spaced apart a distance so that the gathered bag can be readily inserted between the tips each of the tips having an interlocking unit, one unit including a pair of flexible inner and outer lip elements extending toward to other unit and spaced apart and aligned with each other to form an open mouth structure.

A tab is carried on the outer lip element, and the other unit includes a tongue element which fits snugly between the lip elements in the open mouth structure, so that the units engage and releasably **lock** together upon the tips being pushed together manually, and encompass the gathered bag wall with the band and with one hand the tab is grasped and pulled to peel away the outer member from the tongue element to open the band.

ADVANTAGE - Simple economical way of closing open end of transport **bags** which facilitates quick opening upon **delivery** .

1/3|

DE- <TITLE TERMS> METHOD; TIE; OPEN; END; BAG; COMPRISE; GATHER; WALL; BAG; OPEN; END; BAG; CLOSE; MANIPULATE; FLEXIBLE; BAND; ENGAGE; INTERLOCKING ; UNIT|

DC- Q34|

IC- <ADDITIONAL> B65D-077/10|

FS- EngPI||

28/4/13 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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IM- *Image available*

AA- 1988-006926/198801|

XR- <XRAM> C88-003110|

XR- <XRPX> N88-005033|

TI- Print head ink delivery system - has single valve passing ink from reservoir to supply bladder and bladder to head|

PA- HEWLETT-PACKARD CO (HEWP)|

AU- <INVENTORS> KAPLINSKY G T|

NC- 006|

NP- 005|

PN- US 4714937 A 19871222 US 86914225 A 19861002 198801 B|

PN- EP 262292 A 19880406 EP 87106367 A 19870430 198814

PN- CA 1284060 C 19910514 199124

PN- EP 262292 B1 19920722 EP 87106367 A 19870430 199230

PN- DE 3780550 G 19920827 DE 3780550 A 19870430 199236

<AN> EP 87106367 A 19870430|

AN- <LOCAL> US 86914225 A 19861002; EP 87106367 A 19870430; EP 87106367 A 19870430; DE 3780550 A 19870430; EP 87106367 A 19870430|

AN- <PR> US 86914225 A 19861002|

CT- 2.Jnl.Ref; A3...8830; A3...8923; CH 525547; EP 108474; EP 133758; EP 144112; FR 2485441; GB 2046528; JP 59099705; JP 60044352; JP 61025848; JP 61048904; No-SR.Pub; US 4403233; US 4429320; US 4489335; US 4542390|

FD- US 4714937 A

FD- EP 262292 A

<DS> (Regional): DE FR GB IT

FD- EP 262292 B1 B41J-002/175

<DS> (Regional): DE FR GB IT

FD- DE 3780550 G B41J-002/175 Based on patent EP 262292|

LA- US 4714937(7); EP 262292(E); EP 262292(E<PG> 10)|

DS- <REGIONAL> DE; FR; GB; IT|

AB- <BASIC> DE 3780550 G

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A system comprises a bladder (16) supplying ink to a print head (24), and a valve which can be closed, in refill position to convey ink from a main supply bag (14) to the bladder, or in print position to convey ink from the bladder to the head. The bladder is pref. of resilient ethylene-propylene elastomer, and the bag is of aluminium-coated plastics. The bladder can pref. deliver ink at a negative pressure of -1 to -3 inches of water, and all parts are carried by a support plate mounting a plenum chamber (22) in which the valve is located. The valve is pref. a hollow cylinder with **two openings** near opposite ends and on the same side of the body, a pair of opposed openings near one end at 75 deg. to the first opening, and a rotatable member (50) at this end. USE/ADVANTAGE - Used partic. for a thermal ink-jet printer in a plotter, prevents contact of ink with the air and avoids depriming problems.

US 4714937 A

A system comprises a bladder (16) supplying ink to a print head (24), and a valve which can be closed, in refill position to convey ink from a main supply bag (14) to the bladder, or in print position to convey ink from the bladder to the head. The bladder is pref. of resilient ethylene-propylene elastomer, and the bag is of aluminium-coated plastics.

The bladder can pref. deliver ink at a negative pressure of -1 to -3 inches of water, and all parts are carried by a support plate mounting a plenum chamber (22) in which the valve is located. The valve is pref. a hollow cylinder with **two openings** near opposite ends and on the same side of the body, a pair of opposed openings near one end at 75 deg. to the first opening, and a rotatable member (50) at this end.

USE/ADVANTAGE - Used partic. for a thermal ink-jet printer in a plotter, prevents contact of ink with the air and avoids depriming problems.

11/11|

AB- <EP> EP 262292 B

An ink **delivery** system comprising an ink **bag** (14) for storing a quantity of ink (66); a print head (24) for delivering ink to a printing medium; a sub-chamber (16) for providing a supply of ink to said print head (24); a valve (38) for controlling the flow of ink from said ink bag (14) to said sub-chamber (16); support means (12) for supporting said ink bag, said sub-chamber, said print head and said valve in cooperative association, characterised in that said sub-chamber (16) is formed by a bladder and in that said valve (38) is a three-way valve controlling also the flow of ink from said bladder (16) to said print head (24), said valve (38) providing a closed mode, in which the ink flow both from said ink bag (14) to said bladder (16) and from said bladder (16) to said print head (24) is blocked, a refill mode for conveying ink from said ink bag (14) to said bladder (16), in which the flow of ink from said bladder (16) to said print head (24) is blocked, and a print mode for conveying ink from said bladder (16) to said print head (24), in which the ink flow from said ink bag (14) to said bladder (16) is blocked.

(Dwg.1/11|

DE- <TITLE TERMS> PRINT; HEAD; INK; DELIVER; SYSTEM; SINGLE; VALVE; PASS; INK; RESERVOIR; SUPPLY; BLADDER; BLADDER; HEAD|

DC- A97; P75; S02; T04|

IC- <MAIN> B41J-002/175|

IC- <ADDITIONAL> B41J-002/17; G01D-015/16|

MC- <CPI> A04-G06; A12-W07F|

MC- <EPI> S02-K05; T04-G02; T04-G03|

FS- CPI; EPI; EngPI||

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28/4/14 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

AA- 1985-188459/198531|

XR- <XRPX> N85-141338|

TI- Installation for unpacking bags of loose material - has rotation of polygonal drum controlled by locking element|

PA- KURSK MAGNETIC ANOM (KURS-R)|

AU- <INVENTORS> EREMEEV A P; KULIKOV V S; SCHERBINI V F|

NC- 001|

NP- 001|

PN- SU 1133171 A 19850107 SU 3562286 A 19830304 198531 B|

AN- <LOCAL> SU 3562286 A 19830304|

AN- <PR> SU 3562286 A 19830304|

FD- SU 1133171 A |

LA- SU 1133171(2)|

AB- <BASIC> SU 1133171 A

The bag slides down an inclined chute, over a slitting knife which cuts a longitudinal slit in the lower side of the bag, on to a rotary drum, where the loose material is sepd. into the product receiving hopper and the empty bag is delivered into a disposal trolley as the drum rotates through a fraction of a revolution.

The drum (4), of polygonal cross section, is freely mounted on the horizontal shaft (5) and is rotated through a fraction of a revolution by the inertia of a bag sliding off the inclined chute (2). The rotation of the drum is restricted by a locking element, which is automatically released every time a bag slides down the chute. The locking element comprises the star wheel (12), which is controlled by the slide rod (8) mounted in the bush (9) attached by the brackets (10) to the underside of the chute. One end of the slide rod engages the star wheel, the other end carries the roller (7). The latter, due to the retaining springs (11), protrudes through a gap in the base of the chute, unless a bag is lying in the chute.

ADVANTAGE - Simple construction and continuity of operation.

Bul.1/7.1.85 (2pp Dwg.No.1/1|

DE- <TITLE TERMS> INSTALLATION; UNPACKING; BAG; LOOSE; MATERIAL; ROTATING; POLYGONAL; DRUM; CONTROL; LOCK ; ELEMENT|

DC- Q31|

IC- <ADDITIONAL> B65B-069/00|

FS- EngPI||

28/4/15 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

AA- 1981-K0113D/198139|

TI- Continuous roller chain conveyor for delivering mail bags - has cast elements interconnected with rollers running in guide rails|

PA- UK POST OFFICE (POSM)|

AU- <INVENTORS> BURGESS R R; DAVEY M F|

NC- 001|

NP- 001|

PN- GB 1598829 A 19810923 198139 B|

AN- <PR> GB 7718936 A 19770505; GB 7845454 A 19770505|

FD- GB 1598829 A |

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LA- GB 1598829(9)|

AB- <BASIC> GB 1598829 A

The individual elements of a roller chain conveyor, used in a continuous chain to transport items to various work stations in a post sorting office, have a forked jaw (15) at one end and a pair of spigots at the other end. The elements are interconnected by a **bolt** (17) passing through the forked jaw end, with the mating spigot end positioned between the jaws.

A spherical bearing (18,19) is mounted in the spigot end to allow movement between the elements. At the extremes of the **bolt** and the spigots, tyred rollers are fixed to run in the horizontal and vertical guides. Selector modules (40) are mounted on the elements by bolts (47,48), which also support the bag carrier.

2|

DE- <TITLE TERMS> CONTINUOUS; ROLL; CHAIN; CONVEYOR; DELIVER; MAIL; BAG; CAST; ELEMENT; INTERCONNECT; ROLL; RUN; GUIDE; RAIL|

DC- Q35|

IC- <ADDITIONAL> B65G-017/38|

FS- EngPI||

28/4/16 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

AA- 1980-36271C/198020|

TI- Hypothermic cardioplegia admin. set - for injecting soln..made mainly of patient's own blood into his heart to arrest it|

PA- BUCKBERG G D (BUCK-I)|

AU- <INVENTORS> DYSON C W|

NC- 001|

NP- 001|

PN- US 994001 H 19800506

198020 B|

AN- <PR> US 78918799 A 19780626|

AB- <BASIC> US 994001 H

The delivery system is used in combination with a cardiopulmonary bypass which includes an oxygenator, a roller pump, and typing connecting the patient's heart to the oxygenator so that patient's blood will flow into the oxygenator and the roller pump will pump it out of the oxygenator back into the patient's heart.

The **delivery** system includes a blood **bag** for storing a portion of the patient's blood, a Y-shaped tubing having a first end with a single opening and a second end with a pair of openings with the single end mechanically coupled to the oxygenator so that the blood will travel from the oxygenator into the Y-shaped tubing, and a heat exchanger disposed between the blood bag and one of the pair of openings of the second end of the Y-shaped tubing and connected to it so that blood may be pumped from the oxygenator through heat exchanger into the blood bag by a first small roller pump.

The delivery system also includes a stopcock which is connected to the other opening at the second end of the Y-shaped tubing and is also connected to the blood bag so that drugs may be injected into the patient's blood in the blood bag in order to form the cardioplegia solution through the stopcock. A clamping device is used to first clamp off **second opening** of the Y-shaped tubing and then to clamp off first end thereof. There is also an output tubing and a second small roller pump for pumping the cardioplegia soln. into the heart in order to arrest it.|

DE- <TITLE TERMS> HYPOTHERMIA; CARDIOPLEGIA; ADMINISTER; SET; INJECTION;

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SOLUTION; MADE; MAINLY; PATIENT; BLOOD; HEART; ARREST|
DC- B07; P34|
IC- <ADDITIONAL> A61M-005/00|
MC- <CPI> B04-B04D; B11-C04B; B12-F01|
FS- CPI; EngPI||

28/4/17 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

AA- 1980-C1633C/198010|
TI- Brush-type vacuum cleaner - has plug leading air from brush to dust bag
and locking support inside housing|
PA- MCDONALD ELEC GMBH (MCDO-N)|
AU- <INVENTORS> SMITH R; YAIR J|
NC- 001|
NP- 001|
PN- GB 2028111 A 19800305 198010 B|
AN- <PR> GB 7833459 A 19780815|
AB- <BASIC> GB 2028111 A
A vacuum cleaner has a housing, containing cylinder brush (12) and
a fan (15) which draws air from the brush and **delivers** it to a dust
bag . An opening (27) is provided in the housing to which a flexible
suction hose can be connected, air then being drawn along the hose and
into the dust bag, rather than from the brush.
A nozzle (28) of the suction hose is arranged upon insertion
through the opening into the housing to divert the air flow as
required, to pass from the hose to the bag, and also causes a support
to be projected through a bottom opening of the cleaner so that the
front part of the cleaner, and the brush, is lifted clear of the floor.
When the cleaner is to be used without a suction hose, a plug is
inserted through the opening in the housing|
DE- <TITLE TERMS> BRUSH; TYPE; VACUUM; CLEAN; PLUG; LEADING; AIR; BRUSH;
DUST; BAG; **LOCK** ; SUPPORT; HOUSING|
DC- P28|
IC- <ADDITIONAL> A47L-005/34|
FS- EngPI||

28/4/18 (Item 1 from file: 347)

FN- DIALOG(R)File 347:JAPIO|
CZ- (c) 2004 JPO & JAPIO. All rts. reserv.|
TI- REFUSE BAG HOOKED DUST STAND
PN- 2000-289801 -JP 2000289801 A-
PD- October 17, 2000 (20001017)
AU- KUROKAWA MATSUTOSHI
PA- KUROKAWA MATSUTOSHI
AN- 11-101541 -JP 99101541-
AN- 11-101541 -JP 99101541-
AD- April 08, 1999 (19990408)
B65F-001/14
AB- PROBLEM TO BE SOLVED: To utilize a **bag** , etc., **delivered** at a super
market, etc., as a refuse bag, and moreover sort refuse in accordance
with the kind of the refuse, and also fit/unfit the refuse bag
extremely easily. SOLUTION: This dust stand is composed of a base
frame mount 2 and a pair of side frames 3 erected provided on the
mount 2, to provide locking holes 9 on the four corners of the mount
2, and can be assembled while providing one or two or more hooking

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pieces 15 for hooking refuse bags on the upper side rods 11 on side frames 3, and also hooking parts 8 on the lower end of supporting rods 6 from both the sides of the rods 11, to **lock** the hooking part 8 of the rods 6 to locking holes 9 of the mount 2. COPYRIGHT: (C)2000,JPO

28/4/19 (Item 2 from file: 347)

FN- DIALOG(R)File 347:JAPIO|
CZ- (c) 2004 JPO & JAPIO. All rts. reserv.|
TI- SEALING METHOD AND SEALING DEVICE FOR NOZZLE FOR LOW TEMPERATURE TANK
PN- 11-304045 -JP 11304045 A-
PD- November 05, 1999 (19991105)
AU- TSUJI TATSUO
PA- ISHIKAWAJIMA HARIMA HEAVY IND CO LTD
AN- 10-110502 -JP 98110502-
AN- 10-110502 -JP 98110502-
AD- April 21, 1998 (19980421)
F16K-043/00; F16L-055/10
AB- PROBLEM TO BE SOLVED: To certainly close a nozzle to connect a valve of a low temperature tank. SOLUTION: A delivery nozzle 2 is sealed by lowering a liquid level below an opening part of the delivery nozzle 2 by delivering stored liquid in a storage tank 7, closing a main valve, removing a delivery pipe connected to the downstream side of this main valve, closing the **delivery** nozzle 2 inserting a **bag** body 14 as a primary seal in the delivery nozzle 2 by opening the main nozzle after installing an air **lock** chamber on an opening end of the main valve, thereafter removing the main valve from the delivery nozzle 2, providing a secondary seal to block the delivery nozzle 2 by extending its diameter on the delivery nozzle 2 on the downstream side of the first seal and installing a closing plate 41 on an installation flange of the main valve. COPYRIGHT: (C)1999,JPO

28/4/20 (Item 3 from file: 347)

FN- DIALOG(R)File 347:JAPIO|
CZ- (c) 2004 JPO & JAPIO. All rts. reserv.|
TI- OCCUPANT CONSTRAINING DEVICE
PN- 10-175504 -JP 10175504 A-
PD- June 30, 1998 (19980630)
AU- OKOCHI TSUTOMU; NAKAMURA JUNICHI; SHIMODA MIKIJI
PA- MITSUBISHI MOTORS CORP [351404] (A Japanese Company or Corporation), JP (Japan)
AN- 08-339655 -JP 96339655-
AN- 08-339655 -JP 96339655-
AD- December 19, 1996 (19961219)
IC- -6- B60R-022/00; B60R-021/18; B60R-021/22; B60R-022/32; B60R-022/36
CL- 26.2 (TRANSPORTATION -- Motor Vehicles); 37.2 (SAFETY -- Traffic)
AB- PROBLEM TO BE SOLVED: To deploy an air bag into a desired shape even when the upper section of the air bag is located at a position to interfere with a belt member by providing a **lock** prohibiting means preventing a retractor from being set to the **lock** state when a side collision load is sensed.

SOLUTION: A belt member 2 is fitted to an occupant like the normal seat belt device. When acceleration/deceleration of the prescribed value or above is applied to a vehicle at the time of a head-on collision, a retractor 6 is switched to the **lock** state, the delivery of the belt member 2 is blocked, and the occupant is

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constrained. A side air bag is deployed when a shock exceeds the prescribed value at the time of a side collision. An operating member 50 is moved to the indoor side by an obstacle 60, and the retractor 6 is prevented from being set to the **lock** state. The belt member 2 can be **delivered**, and an air **bag** can be deployed into the prescribed shape even when the belt member 2 is located at a position to interfere with the upper section of the side air bag.

28/4/21 (Item 4 from file: 347)

FN- DIALOG(R)File 347:JAPIO|
CZ- (c) 2004 JPO & JAPIO. All rts. reserv.|
TI- MOUNTING STRUCTURE OF MODULE-CUM-AIR BAG
PN- 10-076897 -JP 10076897 A-
PD- March 24, 1998 (19980324)
AU- YOSHIZAKI KIICHI
PA- IZUMI JIDOSHA KK [399024] (A Japanese Company or Corporation), JP
(Japan)
AN- 08-234302 -JP 96234302-
AN- 08-234302 -JP 96234302-
AD- September 04, 1996 (19960904)
IC- -6- B60R-021/20
CL- 26.2 (TRANSPORTATION -- Motor Vehicles); 37.2 (SAFETY -- Traffic)
AB- PROBLEM TO BE SOLVED: To **deliver** a module-cum-air **bag** to a customer of destination in keeping two symmetrical mounting bolts for calmping it to a steering wheel body temporarily held in a stopper attached to a steering wheel intact, and then it is easily rrcountable with a driver at the customer for regular installation.

SOLUTION: This is a mounting structure of a set plate 3 equipped with a clamp face to a core bar of a steering wheel body and a vertical rising face orthogonal with the former, and amodule-cum-air bag 2 being attached with a nut 8 and a mounting **bolt** 9, and in this constitution, the mounting **bolt** 9 is concentrically held by a mounting **bolt** fallout preventing stopper 12 attached tight to the side of a lower cover of the steering wheel body, and in this state, a driver is inserted from just beside the steering wheel body, thereby making the mounting **bolt** 9 project from a hole 6 installed in the vertical rising face of the set plate 3, and it is screwed in the nut 8 on the side of the air- bagmodxlule 2 for installation.

28/4/22 (Item 5 from file: 347)

FN- DIALOG(R)File 347:JAPIO|
CZ- (c) 2004 JPO & JAPIO. All rts. reserv.|
TI- LONGITUDINAL SEALING DEVICE IN BAG MANUFACTURING APPARATUS THEREFOR
PN- 09-150806 -JP 9150806 A-
PD- June 10, 1997 (19970610)
AU- KUDO SEIICHI
PA- GENERAL PACKER CO LTD [458136] (A Japanese Company or Corporation), JP
(Japan)
AN- 07-336021 -JP 95336021-
AN- 07-336021 -JP 95336021-
AD- November 29, 1995 (19951129)
IC- -6- B65B-043/04; B65B-051/14
CL- 31.1 (PACKAGING -- General); 31.2 (PACKAGING -- Containers)
AB- PROBLEM TO BE SOLVED: To rapidly perform longitudinal sealing of a bag for packaging and rapidly and simply perform a work for adjusting the sealing position accompanied with change in size by providing freely

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slidably a plurality of sets of longitudinal sealing main bodies on a machine stage and to making their intervals controllable during operation.

SOLUTION: A longitudinal sealing apparatus 10 is constituted in such a way that three sets of longitudinal sealing main bodies 11 are provided and the same site which becomes to a longitudinal edge of an intermittently **delivered bag** can be completely sealed by heating for three times by means of a pair of heat sealing bars 12. When the position of longitudinal seal is adjusted in being accompanied with the change in size of the bag, if a **lock bolt** 31 is unfastened to loosen a **lock** and a handle 26 is rotated, the longitudinal sealing main body 11 is moved on a pair of rails 23 by intermeshing a rack 23a and a pinion 24. Then, the center of the heat sealing bar 12 is fitted to a mark indicating each size of the bag by operating the handle 26 and it is fixed by clamping by means of a **lock bolt** 31. By applying also this operation to other longitudinal sealing main bodies 11, the interval of each longitudinal sealing main body 11 can be easily adjusted.

28/4/23 (Item 6 from file: 347)

FN- DIALOG(R)File 347:JAPIO|
CZ- (c) 2004 JPO & JAPIO. All rts. reserv.|
TI- BAG FITTED WITH LOCKABLE CHAIN
PN- 08-070923 -JP 8070923 A-
PD- March 19, 1996 (19960319)
AU- IKEDA TERUYUKI
PA- IKEDA TERUYUKI [000000] (An Individual), JP (Japan)
AN- 06-250235 -JP 94250235-
AN- 06-250235 -JP 94250235-
AD- September 06, 1994 (19940906)
IC- -6- A45C-013/20; A45C-015/00
CL- 31.2 (PACKAGING -- Containers)
AB- PURPOSE: To make it possible to hand over a delivery object without generating any problem even in case the destination is absent by furnishing a waterproof and breaking resistance bag with a character-identified key or cord.

CONSTITUTION: A character-identified key 2 is installed at the tip of a chain fixed to a ring-shaped fixture 1. To make locking, the chain is set around an appropriate building structure, and a **lock** mounting rod is U shape is set round the fixture 1 and a ring-shaped metal piece 3 fixed to the tip of a zipper, and locking is made. In the case where a customer wishes to receive a delivery object during absence, the customer places an empty, unlocked bag in front of his/her entrance, etc., and the **deliverer** puts the object in this **bag**, sets the chain around the building structure, and locks. Thereby the customer can safely receive the object. To hand over any object to the collector (deliverer), who is in advance informed by the customer of the code number of the character- identified **lock**, and the collector opens the locked and chained bag using the code number for the **lock**. Thereby the customer can be leave the object safely to the collector, wherein theft is prevented by adopting a material having a high breaking resistance and tying the bag by the chain to a building structure which is hard to move.

28/4/24 (Item 7 from file: 347)

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FN- DIALOG(R)File 347:JAPIO|
CZ- (c) 2004 JPO & JAPIO. All rts. reserv.|
TI- RUPTURING DEVICE FOR MALL REFUSE BAG
PN- 06-170265 -JP 6170265 A-
PD- June 21, 1994 (19940621)
AU- AIKAWA TADASHI; MOGI TOSHIMASA; MASUDA HIROSHI; NOMURA YUJI
PA- TOHO SHEET & FRAME CO LTD [401390] (A Japanese Company or Corporation),
JP (Japan)
AN- 04-350699 -JP 92350699-
AN- 04-350699 -JP 92350699-
AD- December 04, 1992 (19921204)
IC- -5- B02C-018/44; B02C-018/22; B65B-069/00
CL- 24.3 (CHEMICAL ENGINEERING -- Mixing, Separation & Chrushing); 31.1
(PACKAGING -- General)
SO- Section: C, Section No. 1252, Vol. 18, No. 506, Pg. 87, September 22,
1994 (19940922)
AB- PURPOSE: To smoothly and efficiently rupture small refuse bags as well
and to reduce the size over the entire part of the device by freely
turnably supporting the front ends of planar blade bodies, the bottom
end blade parts of which are disposed to face between planar blade
bodies and making these ends movable by means of a cycloidal moving
device, thereby easily **delivering** the clogged refuse **bags** .

CONSTITUTION: The refuse bags (a) cost into a refuse bag cost hopper
2 are ruptured by the planar blade bodies 3 of rotating blade bodis 5
and the planar blade bodies 6, the bottom end blade parts 6a of which
are disposed to face therebetween in the pendent state from above.
The refuse bags are then dropped downward and are taken outside a bag
rupturing machine body 1 by a refuse ejector 9. The moving device 8
is actuated to move and **lock** the bottom end blade parts 6a outward
to **deliver** the clogged refuse **bags** (a) in the case the refuse
bags (a) are clogged between the planar blade bodies 3 and 6. The
planar blade bodies 6 are thereafter returned again to their home
positions and the bag rupturing operation is carried out. The
opposite spacings of the bottom end blade parts 6a and the planar
blade bodies 3 are adjusted by properly cycloidal-moving the planar
blade bodies 6 outward according to the sizes of the refuse bags a,
by which the smooth bag rupturing is assured.

28/4/25 (Item 8 from file: 347)

FN- DIALOG(R)File 347:JAPIO|
CZ- (c) 2004 JPO & JAPIO. All rts. reserv.|
TI- DOOR LOCKING MECHANISM FOR **BAG DELIVERY** DEVICE
PN- 05-233944 -JP 5233944 A-
PD- September 10, 1993 (19930910)
AU- MATSUDA TETSUO
PA- SANYO ELECTRIC CO LTD [000188] (A Japanese Company or Corporation), JP
(Japan)
AN- 04-033436 -JP 9233436-
AN- 04-033436 -JP 9233436-
AD- February 20, 1992 (19920220)
IC- -5- G07F-011/72; G07F-009/10
CL- 29.4 (PRECISION INSTRUMENTS -- Business Machines)
SO- Section: P, Section No. 1664, Vol. 17, No. 696, Pg. 86, December 20,
1993 (19931220)
AB- PURPOSE: To prevent a bag from being taken out illegally by restraining
a **lock** pin in the connection groove of a guide member until a sale
command is issued so that a take-out port door can not be opened, and

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opening the door by releasing the restraining of the **lock** pin by operating a solenoid when the sale command is issued.

CONSTITUTION: Before the sale command is issued, the solenoid 29 does not operate, and the **lock** pin 25 is in a standby state in which it is restrained to the restraining groove 27a of a **lock** shaft guide 27. In this state, an arm plate 22 can not be moved even if the take-out port door 11 is intended to open, and the take-out port door 11 can not be opened. Then, when the sale command is issued, the solenoid 29 operates, and attracts a restraining bar 28, and releases the restraining of the **lock** pin 25, and the **lock** pin 15 is moved from the restraining groove 27a of the **lock** shaft guide 27 to a front guide groove 27c by the spring force of a spring member 23. Next, a moving guide groove 27b is moved forward, and the arm plate 22 too is moved, and the door 11 can be opened.

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